

COLOMBO MUNICIPALITY.

# Administration Report

1907.

## Public Health Department.

REPORT BY WM. MARSHALL PHILIP, M.B., D.P.H.,

*Medical Officer of Health.*



Colombo :

S. M. JOHAR, MUNICIPAL PRINTER, CEYLON.

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From the MEDICAL OFFICER OF HEALTH, COLOMBO to the CHAIRMAN, MUNICIPAL  
COUNCIL, COLOMBO.

No. 307.

Colombo, September 7, 1908.

**ANNUAL REPORT 1907.**

SIR,

I HAVE the honour to submit my Report for the year 1907.

The Vital Statistics in respect of the principal causes of deaths during the last 11 years have been dealt with for the most part in the following pages, but those in regard to the Fevers have been dealt with separately in my Report No. 257 of July 28, 1908, to which reference is requested.

**Section I.**

2. **Health of the population.**—The health of the population was on the whole better than usual, the death-rate from all causes being 32·5 per 1,000 as against the average of 33·8 for the previous 10 years, and 39·8 during 1906. These are crude rates as the rates of previous years being crude, a corrected rate would not be comparable with the average. The improvement in the death-rate for 1907, compared with the average of the previous decennium was due mainly to a decrease in the number of deaths ascribed to Dysentery, Diarrhœa, Fevers, Bronchitis, Infantile Convulsions, Tetanus and Ankylostomiasis. There was on the other hand an increase in the number of deaths ascribed to Phthisis Pneumonia, Ill-defined Causes, and Typhoid Fever.

With regard to the Typhoid Fever statistics reference is requested to my special report on Fevers ( No. 257 of July 28, 1908. )

The principal cause of deaths amongst the population as a whole was as usual Phthisis, which caused a mortality of no less than 4·00 per 1,000 living. Compare this with the rate in London in 1906, viz., 1·44 per 1,000. This disease alone has caused more deaths during each of the last seven years than all the Fevers combined, including Enteric. It has moreover steadily increased as a cause of deaths from 2·38 per 1,000 in 1897 to 4·00 in 1907. It was the chief cause of deaths in 1907, in every race except the Europeans and the Tamils. Europeans as usual suffered most from Typhoid Fever and Dysentery, and Tamils from Diarrhœa and Pneumonia. For further particulars see section 21.

3. **Meteorology.**—The following statements kindly supplied by Mr. Barnard, Superintendent of the Observatory, give the chief points in regard to the Meteorological conditions during 1907. It will be seen that the rainfall was 16·03 inches below the average of the previous 38 years, the shortage being in the South-west Monsoon :—

TABLE I.

( a ) AVERAGE MONTHLY MEAN TEMPERATURE AT COLOMBO.

| Years | Jan. | Feb. | March | April | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|-------|------|------|-------|-------|------|------|------|------|-------|------|------|------|------|
| 38-39 | 79·1 | 80·3 | 82·1  | 82·6  | 82·4 | 81·0 | 80·6 | 80·8 | 80·9  | 80·1 | 79·8 | 79·2 | 80·7 |

( b ) MONTHLY MEAN TEMPERATURE AT COLOMBO, DURING 1907.

| Years | Jan. | Feb. | March | April | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|-------|------|------|-------|-------|------|------|------|------|-------|------|------|------|------|
| 1907  | 79·6 | 80·8 | 82·4  | 82·7  | 81·6 | 79·7 | 79·2 | 78·6 | 80·1  | 78·7 | 78·0 | 79·7 | 80·1 |

( c ) AVERAGE MONTHLY MEAN PRESSURE AT COLOMBO.

| Years | Jan.   | Feb.   | March  | April  | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Year   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 38-39 | 29·875 | 29·876 | 29·854 | 29·840 | 29·805 | 29·811 | 29·801 | 29·829 | 29·845 | 29·848 | 29·855 | 29·839 | 29·840 |

( d ) MONTHLY MEAN PRESSURE AT COLOMBO, DURING 1907.

| Years | Jan.   | Feb.   | March  | April  | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Year   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1907  | 29·878 | 29·883 | 29·859 | 29·819 | 29·820 | 29·812 | 29·799 | 29·871 | 29·854 | 29·841 | 29·846 | 29·868 | 29·846 |

(e) AVERAGE MONTHLY MEAN RAINFALL AT COLOMBO.

| Years | Jan. | Feb. | March | April | May   | June | July | Aug. | Sept. | Oct.  | Nov.  | Dec. | Year  |
|-------|------|------|-------|-------|-------|------|------|------|-------|-------|-------|------|-------|
| 38    | 3·56 | 2·11 | 4·60  | 10·66 | 11·77 | 8·00 | 4·62 | 3·60 | 5·01  | 14·70 | 12·37 | 5·65 | 86·65 |

(f) MONTHLY MEAN RAINFALL AT COLOMBO, DURING 1907.

| Years | Jan. | Feb. | March | April | May  | June | July | Aug. | Sept. | Oct.  | Nov.   | Dec. | Year  |
|-------|------|------|-------|-------|------|------|------|------|-------|-------|--------|------|-------|
| 1907  | 0·83 | 3·85 | 1·06  | 6·16  | 5·47 | 6·45 | 8·71 | 1·76 | 3·35  | 14·73 | 116·96 | 1·29 | 70·62 |

4. **Topography.**—The following information contained in Mr. Mansergh's Report of 1897, indicates the main points in regard to the topography of Colombo :—

Colombo is situated in  $6^{\circ} 56'$  North Latitude, and  $79^{\circ} 49'$  East Longitude. The extreme length of the town is seven miles and the extreme breadth is  $2\frac{3}{4}$  miles. The average breadth is about  $2\frac{3}{4}$  miles. It stands upon a plain having all its edges practically at sea level, but with numbers of knolls or elevated spots scattered irregularly over it. The present Municipal boundaries are almost exactly 20 miles in length and are bordered as follows :— $5\frac{5}{8}$  miles are bordered by the sea,  $2\frac{1}{2}$  miles by the Harbour,  $3\frac{1}{8}$  miles by the river,  $2\frac{3}{4}$  miles by swamps, 4 miles by mainland,  $1\frac{1}{8}$  miles by the San Sebastian Canal and  $\frac{7}{8}$  of a mile by the Kirilapane Canal.

These boundaries enclose an area of 6,463 acres or  $10\frac{1}{10}$  square miles, of which only 4,688 acres are available for building purposes, 1,261 acres or about one-fifth of the total being covered with water.

The lake which is situated near the middle of the town occupied in 1897, 416 acres, which area is however being steadily reduced by reclamation.

The acreage of the town at different heights above mean sea level is shown in the following table :—

TABLE II.

ACERAGE AT DIFFERENT HEIGHTS ABOVE MEAN SEA LEVEL.

| Up<br>to<br>4<br>Acres. | BETWEEN CONTOURS. |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
|-------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|
|                         | 4                 | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 30  | 40  | 50 | 60 | 70 | 80 | 90  |
|                         | 6                 | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 30  | 40  | 50  | 60 | 70 | 80 | 90 | 100 |
| 953                     | 296               | 297 | 447 | 455 | 406 | 430 | 421 | 510 | 667 | 297 | 134 | 87 | 43 | 12 | 6  | 2   |

1,993 acres or nearly 31 per cent of the total are thus below the 10 feet contour, while only 581 acres or 9 per cent lie at greater altitudes than 30 feet above mean sea level.

A large part of Colombo is thus lowlying, and difficult to drain, and in the present absence of sewers many of the houses are situated upon damp ground which is a point of great importance in connection with the very high mortality here from Phthisis.

It has been shown by Dr. Bowditch in America, and by Dr. Buchanan in England, that there is an intimate connection between moisture of soil and destructive diseases of the lungs, *e.g.*, Phthisis, and that this disease becomes much less fatal after towns have been sewered and the soil consequently drained. Where the drying of the subsoil was considerable as the result of sewerage, the deaths from Phthisis were found to be reduced by a third or even by a half of what they had previously been.

It is therefore probable that when the sewerage of the town now in hand has been completed and has had time to get into full working order, a marked reduction will be effected in the present exceedingly high Phthisis mortality here. Pending the completion of this work much good might be effected by the paving of dwellings, back-yards, and lanes, and this has been provided for in the proposed new laws.

Paving should also have a beneficial effect in reducing the high mortality from Diarrhœal diseases as it will protect the inhabitants from the evil effects of exposure to emanations from the sewage polluted soil. This should also have an effect in reducing the Infant mortality.



5. **Population.**—The following table shows the area and estimated population in each Ward in 1907, and the density per acre of the area available for building purposes :—

TABLE III.

| WARD.         |     | Total area. | Net avail-able area. | Estimated Population 1907. | Density per acre of available area. |
|---------------|-----|-------------|----------------------|----------------------------|-------------------------------------|
| Fort          | ... | 220         | 112                  | 2285                       | 20·4                                |
| Pettah        | ... | 92          | 67                   | 7561                       | 112·8                               |
| San Sebastian | ... | 116         | 108                  | 10303                      | 95·4                                |
| St. Paul's    | ... | 143         | 135                  | 23104                      | 171·1                               |
| Kotahena      | ... | 1649        | 1056                 | 37083                      | 35·1                                |
| New Bazaar    | ... | 289         | 226                  | 19536                      | 86·4                                |
| Maradana      | ... | 1297        | 1025                 | 35468                      | 34·6                                |
| Slave Island  | ... | 313         | 304                  | 19311                      | 63·5                                |
| Colpetty      | ... | 1928        | 1655                 | 22073                      | 13·4                                |
| The Lake      | ... | 416         | —                    | —                          | —                                   |
| Total         | ... | 6463        | 4688                 | 176724                     | 37·69                               |

6. **Development of the town.**—The older parts of the town are now almost completely built over, and the tide of increasing population appears to be setting more and more outwards, especially towards Colpetty and the Southern suburbs, as shown by the large number of new buildings which have been and are being erected there. It is unfortunate that this development has not been carried out in many instances on sanitary lines, and it is hoped that the proposed new laws in regard to buildings will improve matters in this respect, in so far as the area within the town limits is concerned; but it is also most important that the development of the rapidly growing suburbs should be placed under proper control.

It is therefore essential that the existing unbuilt upon land not only within the town but in the adjoining suburbs should be mapped out with streets and scavenging lanes and open spaces, which should be reserved for these purposes, and building thereon should be prohibited. Unless this is done untold mischief will result and a condition of affairs will arise which will require many years and cost vast sums of money to rectify. The Church Yard Lane and other street widenings afford a good example of what delay in these matters costs.

## Section II.

### Vital Statistics.

7. **Births.**—The number of births registered in Colombo during 1907, was 4,280, giving a birth-rate of 24·2 per 1,000 persons living per annum which is above the average for the previous 10 years. The birth-rate since 1897, has been as follows (*vide* Registrar-General's Reports) :—

TABLE IV.

(a) COLOMBO AND CEYLON BIRTH-RATES.

| Period.           |     | Birth-rate per 1,000 living. |         |      |
|-------------------|-----|------------------------------|---------|------|
|                   |     | Colombo.                     | Ceylon. |      |
| 1897              | ... | 18·8                         | ...     | 37·7 |
| 1898              | ... | 21·6                         | ...     | 38·8 |
| 1899              | ... | 24·1                         | ...     | 38·5 |
| 1900              | ... | 21·9                         | ...     | 38·6 |
| 1901              | ... | 20·6                         | ...     | 37·5 |
| 1902              | ... | 23·0                         | ...     | 38·5 |
| 1903              | ... | 21·8                         | ...     | 40·0 |
| 1904              | ... | 22·0                         | ...     | 38·5 |
| 1905              | ... | 23·1                         | ...     | 38·7 |
| 1906              | ... | 27·3                         | ...     | 35·7 |
| Average 1897-1906 | ... | 22·4                         | ...     | 38·2 |
| 1907              |     | 24·2                         |         |      |

The following table shows the average birth-rate in the various Wards in Colombo during the 10 years 1897-1906 and in the year 1907 :—

TABLE V.

(b) WARD BIRTH-RATES.

| WARD.          |     | Birth-rate per 1,000 living. |       |      |
|----------------|-----|------------------------------|-------|------|
|                |     | 1897-1906.                   | 1907. |      |
| Fort           | ... | 4·4                          | ...   | 4·3  |
| Pettah         | ... | 7·4                          | ...   | 6·2  |
| San Sebastian  | ... | 20·9                         | ...   | 20·7 |
| St. Paul's     | ... | 17·1                         | ...   | 16·5 |
| Kotahena       | ... | 19·3                         | ...   | 21·3 |
| New Bazaar     | ... | 24·9                         | ...   | 22·7 |
| Maradana       | ... | 22·3                         | ...   | 22·5 |
| Slave Island   | ... | 21·7                         | ...   | 24·4 |
| Colpetty       | ... | 18·3                         | ...   | 16·9 |
| * Colombo Town | ... | 22·4                         | ...   | 24·2 |

\* The Colombo town rates include births in the Hospitals.

The following table shows the average birth-rate per 1,000 of each race living, during the 10 years 1897–1906 and in the year 1907, (*vide* Registrar-General's Reports) :—

TABLE VI.

(c) RACIAL BIRTH-RATES.

| RACE.     | Birth-rate per 1,000 living. |      |       |      |
|-----------|------------------------------|------|-------|------|
|           | 1897–1906.                   |      | 1907. |      |
| Europeans | ...                          | 29·7 | ...   | 31·7 |
| Burghers  | ...                          | 30·4 | ...   | 29·6 |
| Sinhalese | ..                           | 27·6 | ...   | 31·7 |
| Tamils    | ...                          | 11·5 | ...   | 12·6 |
| Moors     | ...                          | 21·4 | ...   | 20·3 |
| Malays    | ...                          | 25·2 | ...   | 30·2 |
| Others    | ...                          | 11·3 | ...   | 11·4 |
| All Races | ...                          | 22·4 |       | 24·2 |

All the rates are thus above the average except the Burgher and Moor rates. The Malays and the Sinhalese show the greatest increase.

8. **Deaths.**—The number of deaths which occurred in Colombo in 1907 was 5747 giving a rate of 32·5 per 1,000 persons living, which is below the average of the previous 10 years. The death-rate in Colombo and in Ceylon in each year since 1897 is shown in the following table, (*vide* Registrar-General's Report) :—

TABLE VII.

(a) COLOMBO AND CEYLON, DEATH-RATES, ALL CAUSES, ALL RACES.

| Period.   | Death-rate.<br>All causes per 1,000 living. |      |         |      |
|-----------|---------------------------------------------|------|---------|------|
|           | Colombo.                                    |      | Ceylon. |      |
| 1897      | ...                                         | 34·6 | ...     | 23·7 |
| 1898      | ...                                         | 32·1 | ...     | 26·6 |
| 1899      | ...                                         | 29·8 | ...     | 30·6 |
| 1900      | ...                                         | 34·2 | ...     | 28·7 |
| 1901      | ...                                         | 34·7 | ...     | 27·6 |
| 1902      | ...                                         | 33·5 | ...     | 27·5 |
| 1903      | ...                                         | 34·8 | ...     | 25·9 |
| 1904      | ...                                         | 30·4 | ...     | 24·9 |
| 1905      | ...                                         | 34·7 | ...     | 27·7 |
| 1906      | ...                                         | 39·8 | ...     | 34·3 |
| 1897–1906 |                                             | 33·8 |         | 27·7 |
| 1907      |                                             | 32·5 |         | —    |

It will be seen from the above, particularly if reference be made to diagram I. in my Report No. 384 of 12th November, 1907, that the general inclination of the death-rate is an upward one, with a phenomenal rise in 1906.

In 1907 on the other hand the rate fell below the average, but unless matters improve it will be probably high again in 1908.

The principal cause of this rise is as shown later the steady increase in the mortality from Pulmonary and Diarrhœal diseases, chief amongst which being Phthisis.

TABLE VIII.

(b) WARD DEATH-RATES (ALL CAUSES).

| WARD.            | Death-rates per 1,000 living. |      |       |      |
|------------------|-------------------------------|------|-------|------|
|                  | 1897–1906.                    |      | 1907. |      |
| Fort             | ...                           | 15·8 | ...   | 11·8 |
| Pettah           | ...                           | 14·2 | ...   | 12·4 |
| San Sebastian... | ...                           | 26·2 | ...   | 25·3 |
| St. Paul's       | ...                           | 26·3 | ...   | 24·1 |
| Kotahena         | ...                           | 28·1 | ...   | 23·3 |
| New Bazaar       | ...                           | 31·0 | ...   | 27·0 |
| Maradana         | ...                           | 28·2 | ...   | 24·2 |
| Slave Island     | ...                           | 30·1 | ...   | 25·1 |
| Colpetty         | ...                           | 19·8 | ...   | 17·6 |
| Colombo          |                               | 33·9 |       | 32·5 |

The Colombo rate includes Hospital deaths many of which are persons from outside the town and whose deaths do not therefore properly belong to Colombo. As explained in paras. 108–122 of my Report No. 384 of 1907, these Ward death-rates are practically worthless as a means of comparing one Ward with another owing chiefly to (a) the great and unequal fluctuations which occur in the Ward populations, as the result of emigration and immigration (b) differences in the age and sex constitution of the various races (c) smallness of the population in some of the Wards and (d) the large number of deaths of Ward residents which occur in and are registered against the Hospitals, and are so lost to their Wards.



In 1907 for instance 1,665 deaths or 28·9 per cent. of the total deaths in Colombo occurred in, and were returned against the Hospitals, and as some Wards contribute relatively more patients to the Hospitals than others, the error is greater in the rates of some Wards than of others. Upon referring this matter to the Hospital authorities I was informed that although the greatest trouble is taken to ascertain the home addresses of the patients on admission to the Hospitals, it was not possible in a great many cases to get correct information, as the patients, chiefly poor Sinhalese and Malabars, often did not know the name of the street and seldom the number of the premises from which they had come.

The Ward, the rate of which is probably most affected by these deaths in Hospitals is as explained in paragraphs 113-116 in my Report No. 384 of 1907, the St. Paul's Ward, the rate for which shewn in the table above is certainly too low.

TABLE IX.  
(c) RACIAL DEATH-RATES (ALL CAUSES).

| RACE.         | Death-rate for<br>each race per 1,000 living. |     |       |  |
|---------------|-----------------------------------------------|-----|-------|--|
|               | 1897-1906.                                    |     | 1907. |  |
| Europeans ... | 30·2                                          | ... | 25·3  |  |
| Burghers ...  | 26·7                                          | ... | 23·0  |  |
| Sinhalese ... | 35·6                                          | ... | 34·7  |  |
| Tamils ...    | 35·9                                          | ... | 32·2  |  |
| Moors ...     | 32·3                                          | ... | 31·2  |  |
| Malays ...    | 35·2                                          | ... | 35·5  |  |
| Others ...    | 32·9                                          | ... | 30·5  |  |
| All races     | 33·8                                          |     | 32·5  |  |

These rates are not quite reliable as a means of comparing one race with another owing to various disturbing factors, the chief of which are, as explained in paragraphs 89-100 of my Report No. 384 of 1907, difference in respect of (a) migration (b) age and sex distribution and (c) the smallness of the population of certain of the races. These rates like the Ward rates are reliable only as a means of comparing the rate of *the same race at different periods of time*, and even in this respect those races which, like the Europeans, Malays, and Others, have a small population, and those which like the Tamils and Europeans are subject to migration, must be accepted with caution.

For the fuller consideration of the question of the relative value of the Racial and Ward death-rates reference is requested to my Report No. 384 of 12th November, 1907.

The details of the birth and death-rates are shown in the tables in the appendix.

9. **Infant mortality.**—There were 1,300 deaths of children under one year of age in 1907, being in the proportion of 304 per 1,000 births. This although a trifle above the record low rate of 1906 is a great improvement on the average for the previous 10 years, *viz* :—377.

The table below shows the distribution of the Infant Mortality by Wards since 1897. The distribution by races is unfortunately not available. This is an important matter to which I referred in my Report No. 384 of 12th November, 1907, on the Sanitation of Colombo.

TABLE X.  
INFANT MORTALITY 1897 TO 1907—RATE PER 1,000 BIRTHS (BY WARDS).

| Year.             | Colombo Town. | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Moradana exclusive of Hospitals. | Slave Island. | Colpetty. |
|-------------------|---------------|----------------------|---------|----------------|-------------|-----------|-------------|---------------------|----------------------------------|---------------|-----------|
| 1897              | 498           | 400                  | 925     | 411            | 816         | 418       | 636         | 115                 | 599                              | 705           | 281       |
| 1898              | 375           | 308                  | 500     | 385            | 472         | 408       | 415         | 136                 | 366                              | 494           | 244       |
| 1899              | 328           | —                    | 200     | 345            | 372         | 353       | 351         | 197                 | 313                              | 391           | 242       |
| 1900              | 395           | 143                  | 448     | 385            | 492         | 510       | 387         | —                   | 345                              | 507           | 281       |
| 1901              | 389           | —                    | 364     | 480            | 462         | 508       | 431         | 285                 | 339                              | 426           | 211       |
| 1902              | 360           | —                    | 426     | 429            | 509         | 417       | 422         | —                   | 310                              | 399           | 271       |
| 1903              | 410           | 273                  | 630     | 384            | 481         | 518       | 468         | 247                 | 361                              | 432           | 333       |
| 1904              | 353           | 154                  | 419     | 408            | 482         | 382       | 452         | —                   | 336                              | 454           | 232       |
| 1905              | 361           | 666                  | 481     | 461            | 559         | 381       | 461         | 147                 | 353                              | 458           | 251       |
| 1906              | 302           | 76                   | 328     | 418            | 337         | 310       | 357         | 210                 | 287                              | 311           | 276       |
| Average 1897-1906 | 377           | 202                  | 472     | 411            | 498         | 420       | 438         | 134                 | 362                              | 458           | 262       |
| 1907              | 304           | 100                  | 298     | 367            | 431         | 289       | 395         | 204                 | 296                              | 325           | 251       |

The Infant mortality rate is as the table above shows the most satisfactory of all the death-rates.

It will be seen that all the Wards show an improvement compared with the average. The Wards which show the greatest improvement (excluding Pettah which is not comparable) are Slave Island and Kotahena, while the Ward which shows the least improvement is Colpetty. I have in a previous report drawn attention to this peculiarity in the Colpetty Ward, and I attribute it mainly to the influx of large numbers of the poorer classes into this Ward owing to the lack of accommodation in the older parts of the City. The health standard of this Ward is undoubtedly being lowered owing to the erection of a large number of new buildings upon land where there are at present no facilities for the disposal of the rapidly increasing amount of sewage created. Not only is this the case but many of these dwellings for the poorer classes have been erected irrespective of the requirements of air space, access for scavenging, and such like.

It is the old trouble of lack of control over the erection of new buildings. It is hoped the proposed new laws will be passed in time to put a check upon this before the mischief has gone too far to admit of a remedy.

The following table shows the mortality from the various groups of diseases, the details of which are shown in the Table XLVIII. in the appendix :—

TABLE XI.

10. **Mortality in the Town of Colombo from groups of diseases** in 1906 and 1907, and the average for 1900 to 1906.

| CAUSES OF DEATHS.                    | Total Deaths.               |       |       | Mortality per 1,000 living. |       |       |
|--------------------------------------|-----------------------------|-------|-------|-----------------------------|-------|-------|
|                                      | Average<br>1900 to<br>1906. | 1906. | 1907. | Average<br>1900 to<br>1906. | 1906. | 1907. |
| ALL CAUSES.                          | 5668                        | 6890  | 5747  | 34·61                       | 39·80 | 32·52 |
| Zymotic Diseases                     | 1673                        | 2108  | 1426  | 10·23                       | 12·17 | 8·07  |
| Parasitic Diseases                   | 176                         | 205   | 182   | 1·07                        | 1·19  | 1·03  |
| Dietetic Diseases                    | 8                           | 8     | 46    | ·05                         | 0·05  | 0·26  |
| Constitutional Diseases              | 700                         | 869   | 829   | 4·27                        | 5·02  | 4·69  |
| Developmental Diseases               | 344                         | 349   | 365   | 2·11                        | 2·02  | 2·07  |
| Local Disease                        | 2177                        | 2547  | 2261  | 13·28                       | 14·70 | 12·79 |
| Violence                             | 97                          | 125   | 112   | ·60                         | 0·72  | 0·63  |
| Ill-defined and not specified causes | 493                         | 679   | 526   | 3·00                        | 3·92  | 2·98  |

### Principal Causes of Deaths.

The following table shows the principal causes of deaths by groups of diseases since 1897, in all races, at all ages :—

TABLE XII.

PRINCIPAL GROUPS OF DISEASES 1897-1907.

| YEAR.                   | Rate per 1,000 living. |            |         |
|-------------------------|------------------------|------------|---------|
|                         | Pulmonary.             | Diarrhœal. | Fevers. |
| 1897                    | 5·41                   | 4·69       | 3·75    |
| 1898                    | 5·87                   | 5·13       | 3·59    |
| 1899                    | 5·48                   | 5·05       | 3·22    |
| 1900                    | 6·65                   | 6·12       | 3·17    |
| 1901                    | 8·45                   | 6·55       | 2·92    |
| 1902                    | 7·21                   | 6·69       | 2·76    |
| 1903                    | 7·51                   | 6·83       | 3·05    |
| 1904                    | 7·54                   | 5·43       | 2·16    |
| 1905                    | 8·30                   | 7·07       | 2·07    |
| 1906                    | 9·36                   | 8·10       | 3·39    |
| Average<br>1907-1906    | 7·17                   | 6·17       | 3·01    |
| 1907                    | 8·35                   | 5·07       | 2·59    |
| Increase or<br>Decrease | +1·18                  | -1·10      | -0·40   |

The chief points about the above table are ( 1 ) the deadly steadiness of the increase in the mortality from Pulmonary diseases, ( 2 ) the almost as marked increase in Diarrhœal diseases up till 1906 after which the mortality suddenly dropped from the highest to the third lowest on record, and ( 3 ) the progressive decrease in the mortality from 'Fevers' marred by a slight increase in 1903 and a more marked increase in 1906. Even the abnormal year of 1906, does not however show a very great rise in the Fever mortality. These various points are considered later in detail under their various headings.

The following table shows the mortality at all ages in all races from the principal diseases in 1907, compared with the average for the period 1897-1906, expressed as a rate per 1,000 of the population, and arranged in their order of importance as indicated by the average during the period 1897-1906 :—



TABLE XIII.

## 11. (a) Principal causes of deaths, all races, all ages.

| DISEASES.                         | Rate per 1,000 living. |       |                       |
|-----------------------------------|------------------------|-------|-----------------------|
|                                   | 1897-1906.             | 1907. | Increase or Decrease. |
| Diarrhoeal and Enteritis ...      | 3·67                   | 3·34  | —0·26                 |
| Infantile Convulsions ...         | 3·10                   | 2·58  | —0·52                 |
| Phthisis ...                      | 3·09                   | 4·00  | +0·91                 |
| Ill-defined and unspecified ...   | 2·85                   | 2·98  | +0·13                 |
| Pneumonia ...                     | 2·70                   | 3·29  | +0·59                 |
| Dysentery ...                     | 2·47                   | 1·73  | —0·74                 |
| Bronchitis ...                    | 1·06                   | 1·06  | Nil                   |
| Remittent Fever ...               | 1·12                   | 0·61  | —0·51                 |
| Simple Continued Fever ...        | 1·05                   | 0·27  | —0·78                 |
| Tetanus ...                       | 1·02                   | 0·96  | —0·06                 |
| Enteric and suspected Enteric ... | 0·75                   | 1·70  | +0·95                 |
| Ankylostomiasis ...               | 0·40                   | 0·34  | —0·06                 |
| Intermittent Fever ...            | 0·03                   | 0·00  | —0·03                 |

The above table shows an increase in 1907, compared with the average of the previous 10 years in the mortality from Phthisis, Ill-defined diseases, Pneumonia, and Enteric. The apparent increase in Enteric must however be considered in conjunction with the decrease in the other Fevers, viz: Remittent Fever, Simple Continued Fever, and Intermittent Fever. This point is considered more fully in my Report dealing with “Fevers in Colombo.” The increase in Phthisis and Pneumonia, is undoubtedly genuine and is a most serious matter, as will be seen by a reference to the section on Pulmonary Diseases. The increase in Ill-defined diseases although slight, is unsatisfactory.

## (b) PRINCIPAL CAUSES OF DEATHS IN EACH RACE.

Before going on to the consideration of this question I wish to emphasise the fact that the rates given in Table XIV. below are expressed as a percentage of the total deaths in each race, and not as a rate *on the population*, and must *not* therefore be employed for the purpose of comparing the mortality in one race with that of another race, or even for comparing the same race at different periods of time, or in different localities. Nor must these rates be utilised for comparing the health in one part of the town with that in another. In each case the same fallacy would be involved, viz:—“a relationship is attempted to be established between two factors both of which are variable in value.” These percentage of total deaths-rates are employed in this report solely for the purpose of estimating the relative magnitude of the different causes of deaths in each race.

The following illustration will make this point clear. Table XIV. shows that in 1907 the disease which Burghers suffered most from was Phthisis, 13·1 per cent of their total deaths being ascribed to this cause. No other disease was responsible for such a large percentage of the Burgher deaths. That is the most one can say on the authority of this rate. If we were to go further and compare the Burgher rate with the Sinhalese rate for instance we should at once fall into an error, for only 13·0 per cent of the total Sinhalese deaths were due to Phthisis, and yet the Sinhalese suffered much more from Phthisis than did the Burghers *in proportion to their population*, for whereas 4·53 per 1,000 of the Sinhalese population died of Phthisis only 3·01 per 1,000 of the Burgher population died of this disease. The Sinhalese therefore suffer more from Phthisis than the Burghers do. The explanation of course is that more Sinhalese died of “diseases other than Phthisis” than was the case with Burghers, the Burgher death-rate from “all causes” being much lower than in the case of the Sinhalese.

The following table shows the principal causes of deaths in each race in 1907 :—

TABLE XIV.

## PRINCIPAL CAUSES OF DEATHS IN EACH RACE IN 1907.

*Expressed as a percentage of total deaths in each race.*

| DISEASE.                   | Euro-peans. | Bur-ghers. | Sin-halese | Tamils | Moors. | Malays | Others |
|----------------------------|-------------|------------|------------|--------|--------|--------|--------|
| Typhoid Fever ...          | 13·3        | 7·9        | 6·2        | 2·3    | 4·2    | 3·7    | 4·7    |
| Simple Continued Fever ... | 0·0         | 1·0        | 0·7        | 0·6    | 0·9    | 4·2    | 0·5    |
| Remittent Fever ...        | 1·3         | 1·6        | 1·8        | 1·9    | 2·0    | 1·6    | 3·6    |
| Total Fevers ...           | 14·6        | 10·5       | 8·7        | 4·8    | 7·1    | 9·5    | 8·8    |
| Diarrhoea ...              | 9·4         | 6·5        | 6·6        | 15·3   | 7·1    | 2·6    | 6·8    |
| Dysentery ...              | 10·7        | 5·8        | 3·9        | 8·3    | 4·1    | 4·2    | 7·3    |
| Enteritis ...              | 2·6         | 2·1        | 2·1        | 0·9    | 1·2    | 0·0    | 0·0    |
| Total Diarrhoeal ...       | 22·7        | 14·4       | 12·6       | 24·5   | 12·4   | 6·8    | 14·1   |
| Phthisis ...               | 4·0         | 13·1       | 13·0       | 10·2   | 12·6   | 15·3   | 15·6   |
| Bronchitis ...             | 0·0         | 2·1        | 3·0        | 3·1    | 5·1    | 3·2    | 2·1    |
| Pneumonia ...              | 2·6         | 9·3        | 9·2        | 12·0   | 10·5   | 8·0    | 14·1   |
| Total Pulmonary ...        | 6·6         | 24·5       | 25·2       | 25·3   | 28·2   | 26·5   | 31·8   |

The chief causes of deaths in each race in 1907, therefore were as follows :—

*Europeans.*—Fevers occupy an important position, and amongst individual diseases Typhoid Fever easily heads the list, followed by Dysentery, and Diarrhœa in all of which the primary seat of infection is the intestinal tract. Phthisis and Pulmonary diseases generally cause a very small proportion of the mortality amongst Europeans.

*Burghers.*—Pulmonary diseases occupy the most prominent position as a cause of deaths amongst Burghers, and chief amongst these is as usual Phthisis. They also suffer somewhat severely from “Fevers” chiefly Typhoid.

*Sinhalese.*—Here again Pulmonary diseases occupy the chief place, amongst which Phthisis easily heads the list, followed by Pneumonia. Fevers occupy a relatively minor position.

*Tamils.*—Diarrhœa is the principal cause of deaths amongst the Tamils; but Pneumonia and Phthisis are also responsible for a very large proportion of the total Tamil deaths. Fevers occupy quite a secondary position.

*Moors.*—Phthisis again heads the list followed by Pneumonia. The preponderance of Pulmonary diseases is very marked in the case of Moors. Fevers again occupy a secondary position.

*Malays.*—Phthisis is by far the most important cause of deaths amongst Malays, while only a small proportion of their deaths are ascribed to Diarrhœal diseases. Their Fever rates are interesting and reference is requested on this point to my Special Report on Fevers.

*Others.*—Phthisis and Pneumonia run each other close for first place, and are a very important cause of deaths amongst this class of the population.

### Section III.

#### Notifiable Infectious Diseases.

The following Infectious Diseases are notifiable under the Plague Regulations, viz. :—Plague, Cholera, Small-pox, Chicken-pox, Measles, Scarlet Fever, Diphtheria, Acute or Choleraic Diarrhœa, Typhoid or Enteric Fever, and Simple Continued Fever of over seven days duration.

The incidence of these diseases *as shown by the notifications*, the case rates per 1,000 living, and the number of deaths as shown by the Registrar-General's death returns are given in the following table :—

TABLE XV.

CASES OF INFECTIOUS DISEASES REPORTED DURING EACH MONTH OF THE YEAR, 1907, EXCLUSIVE OF THOSE REPORTED FROM THE PORT.

| DISEASE.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total cases. | Case rate per 1,000 living. | Deaths. |
|-------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------------|-----------------------------|---------|
| Plague                  | —        | —         | —      | —      | —    | —     | —     | —       | —          | —        | —         | —         | —            | 0'00                        | —       |
| Cholera                 | 22       | 3         | 1      | —      | —    | 1     | —     | —       | —          | —        | 1         | —         | 28           | 0'16                        | 19      |
| Small-pox               | —        | 2         | —      | 1      | —    | 1     | 5     | 6       | 15         | 9        | 9         | 1         | 49           | 0'28                        | 8       |
| Chicken-pox             | 18       | 33        | 23     | 63     | 19   | 5     | 3     | 7       | 20         | 23       | 21        | 21        | 256          | 1'45                        | 2       |
| Measles                 | 4        | 4         | 1      | 9      | 2    | 2     | 3     | 11      | 5          | 3        | 7         | 21        | 72           | 0'40                        | —       |
| Scarlet Fever           | —        | —         | —      | —      | —    | —     | —     | —       | —          | —        | —         | —         | —            | 0'00                        | —       |
| Diphtheria              | 1        | —         | 1      | 1      | 2    | †     | —     | 3       | 2          | —        | 2         | 1         | 13           | 0'07                        | 4       |
| Acute Diarrhœa          | 3        | —         | 1      | 1      | —    | —     | 3     | 2       | 2          | —        | —         | 1         | 13           | 0'07                        | ?       |
| Typhoid Fever           | 140      | 92        | 76     | 78     | 100  | 60    | 84    | 71      | 15         | 46       | 51        | 32        | †875         | 4'95                        | 285     |
| Suspected Enteric Fever | 6        | 2         | —      | 2      | 13   | 11    | 3     | 4       | 6          | 2        | 5         | 2         | 56           | 0'31                        | 15      |
| Simple Conted Fever     | 8        | 9         | 3      | 4      | 13   | 5     | 3     | 15      | 13         | 18       | 22        | 8         | 121          | 0'68                        | 49      |

\* Acute Diarrhœa is not as a rule differentiated in the death returns, from ‘Diarrhœa.’

† The above table includes 134 cases of Typhoid fever reported to have come from outside Colombo, leaving 741 cases from Colombo or a case rate of 4'19 per 1,000.

The number of cases reported from the Port and which are not included in the above table was as follows :—

#### Cases reported from the Port in 1907.

|               |     |     |    |
|---------------|-----|-----|----|
| Cholera       | ... | ... | 1  |
| Smoll-pox     | ... | ... | 10 |
| Chicken-pox   | ... | ... | 3  |
| Measles       | ... | ... | 2  |
| Scarlet Fever | ... | ... | 1  |
| Typhoid Fever | ... | ... | 15 |

12. **Plague and capture of rats.**—As hitherto the town has been fortunate in having had no case of Plague.

Preventive measures have nevertheless been carried out. The campaign against rats has been continued, and the statement below shows the number captured and destroyed during the year.



TABLE XVI.

## RATS CAPTURED AND DESTROYED DURING 1907.

|             |     |        |
|-------------|-----|--------|
| 1st Quarter | ... | 11,653 |
| 2nd Quarter | ... | 11,957 |
| 3rd Quarter | ... | 15,314 |
| 4th Quarter | ... | 16,765 |
| Total       | ... | 55,689 |

13. **Small-pox and Vaccination.**—(a) *Small-pox.*—The statistics in regard to Small-pox are shown in the tables below.

There were 59 cases and 8 deaths reported during 1907. Of the 59 cases however 10 were from the Port and do not therefore really belong to Colombo. The case rate reckoned upon the 49 Colombo cases was 0·27 per 1,000 and the death-rate reckoned upon the total deaths from this cause was 0·04, 13·6 per cent of the 59 cases proved fatal.

TABLE XVII.

## SMALL-POX DEATHS, 1897-1907.

| Year.     | Deaths | Death-rate per 1,000 living. | Year. | Deaths | Death-rate per 1,000 living. |
|-----------|--------|------------------------------|-------|--------|------------------------------|
| 1897      | 0      | 0·000                        | 1902  | 27     | 0·169                        |
| 1898      | 3      | 0·019                        | 1903  | 1      | 0·006                        |
| 1899      | 16     | 0·096                        | 1904  | 1      | 0·006                        |
| 1900      | 9      | 0·058                        | 1905  | 17     | 0·101                        |
| 1901      | 29     | 0·185                        | 1906  | 11     | 0·064                        |
| 1897-1907 |        |                              | 11·4  | 0·070  |                              |
| 1907      |        |                              | 8     |        |                              |

During the years 1903-1907 in respect of which there are complete records of cases notified, the number of cases reported has been as follows :—

TABLE XVIII.

## SMALL-POX CASES, 1903-1907.

| Year. | Cases notified from Town. | Cases notified from the Port not included in case rate. | Case rate per 1,000 persons living. |
|-------|---------------------------|---------------------------------------------------------|-------------------------------------|
| 1903  | 7                         | 6                                                       | 0·04                                |
| 1904  | 1                         | 3                                                       | 0·006                               |
| 1905  | 45                        | 9                                                       | 0·25                                |
| 1906  | 40                        | 26                                                      | 0·23                                |
| 1907  | 49                        | 10                                                      | 0·28                                |

The incidence of the cases notified in each month of the year is shown in Table XV.

There were three distinct importations of infection during the year traced to India. This is the usual source of outbreaks of Small-pox, which is not endemic in Colombo. The first importation occurred in February and consisted of two cases which were discovered in time to prevent any spread of the infection.

The second importation occurred in the 2nd half of the year and was unfortunately accompanied by an unusual amount of concealment, and consequently resulted in the occurrence of a series of cases scattered throughout the town and extending over a considerable period of time.

The third known importation occurred in December and did not result in any further cases.

Of the 49 cases reported, 40 occurred in the town, 6 contacts developed the disease in the Segregation Camp, and 3 cases were reported from rural districts outside the town, the infection in which was traced to Colombo. It is a noteworthy fact that of the 40 cases from the town only one was reported by a private Medical Practitioner, while 15 were detected by the Sanitary Inspectors, 10 by the Police, 2 by Registrars of Deaths, 1 by the Chief Vaccinator, 5 were reported by householders, and 6 voluntarily sought admission to the Hospital with the eruption on them.

These 40 cases were scattered over 29 houses, in 19 streets.

It will be realised from these facts that it is no easy matter to control this diseases once the infection gets abroad, and it is I think fortunate that only 3 cases in all escaped into the adjoining rural districts where they were detected.

5 prosecutions were entered for concealing cases of Small-pox, 3 of whom were convicted, 1 was acquitted and the other was pending as the accused could not be found. One of the cases who escaped into the adjoining country district was also reported to have been prosecuted and convicted, evidence having been supplied by this Department. 194 contacts in all were segregated in connection with this disease at a cost for victualling of Rs. 1,180·36.

The chief obstacle in the way of preventing the importation of Small-pox from other countries is its long incubation period which averages about 12 days, and is sometimes as long as 18 days or even longer. The only way to ensure detection of imported cases, short of imposing a period of quarantine for all arrivals (which would greatly interfere with commerce, and is therefore undesirable, would be to require every arrival to report himself daily to the Port Surgeon or the Medical Officer of the district to which he goes, for a period of 18 days from the date of leaving the last Port outside Ceylon. This might I think be done especially with regard to Indian Ports, as Small-pox is I believe endemic in India, and we are thus constantly exposed to these importations of infection. I recommend that the matter be represented to Government.

(b) VACCINATION.

The following table shows the number of primary vaccinations and the number of births during each of the last 5 years :—

TABLE XIX.  
VACCINATION.

| Year   | Births. | Primary Vaccinations. | Excess of primary vaccinations over births. |
|--------|---------|-----------------------|---------------------------------------------|
| 1903   | 3552    | 10063                 | 6511                                        |
| 1904   | 3670    | 10652                 | 6982                                        |
| 1905   | 3916    | 10330                 | 6414                                        |
| 1906   | 4726    | 9547                  | 4821                                        |
| 1907   | 4280    | 11864                 | 7584                                        |
| Total. | 20144   | 52456                 | 32312                                       |

A large number of the primary vaccinations are I am informed immigrants from India, adults as well as children, hence the preponderance of primary vaccinations over births.

The details of the vaccination in 1907, are shown in the following table supplied by the Provincial Surgeon, Western Province :—

TABLE XX.  
VACCINATION, 1907.

| WARD.                                      | Primary Vaccinations. | Revaccinations. | Total. |
|--------------------------------------------|-----------------------|-----------------|--------|
| Fort, Galle Face, Pettah and San Sebastian | 1278                  | 198             | 1476   |
| St. Paul's                                 | 1860                  | 1079            | 2939   |
| Kotahena                                   | 1783                  | 756             | 2548   |
| New Bazaar                                 | 1695                  | 1057            | 2752   |
| Maradana                                   | 1751                  | 530             | 2281   |
| Slave Island                               | 1560                  | 848             | 2408   |
| Colpetty                                   | 989                   | 553             | 1542   |
| Itinerating (Colombo)                      | 948                   | 592             | 1540   |
| TOTAL                                      | 11864                 | 5622            | 17486  |

14. **Cholera.**—There were 29 cases of Cholera reported during the year, of these one was from the Port and one from outside limits. In 17 of the town cases a Bacteriological examination was made and reported as positive.

There were 19 deaths giving a case mortality of 65.5 per cent and a death-rate of 0.1 per 1,000 living.

TABLE XXI.  
CHOLERA DEATH-RATES.

| Year. | Deaths | Death-rate per 1,000 living. | Year.    | Deaths | Death-rate per 1,000 living. |
|-------|--------|------------------------------|----------|--------|------------------------------|
| 1897  | 56     | 0.347                        | 1902     | 2      | 0.012                        |
| 1898  | 6      | 0.038                        | 1903     | —      | 0.000                        |
| 1899  | —      | 0.000                        | 1904     | 1      | 0.006                        |
| 1900  | —      | 0.000                        | 1905     | —      | 0.000                        |
| 1901  | —      | 0.000                        | 1906     | 2      | 0.011                        |
|       |        |                              | Average. | 6.8    | 0.041                        |
|       |        |                              | 1907     | 19     | 0.108                        |

The number of cases notified during each of the last 5 years has been as follows :—



TABLE XXII.  
CHOLERA IN COLOMBO.

| Year. | Cases notified. | Case rate per 1,000 living. | Outside and Port cases not included in case rate. |
|-------|-----------------|-----------------------------|---------------------------------------------------|
| 1903  | 1               | 0'006                       | —                                                 |
| 1904  | 1               | 0'006                       | 3                                                 |
| 1905  | —               | 0'000                       | —                                                 |
| 1906  | 1               | 0'006                       | 3                                                 |
| 1907  | 29              | 0'156                       | 2                                                 |

The monthly incidence of cases of Acute Diarrhœa and Cholera notified during 1906 and 1907, is shown in the table below :—

TABLE XXIII.  
ACUTE DIARRHŒA AND CHOLERA—CASES, 1906 AND 1907.

| 1906.         |                 |          | 1907.         |                 |          |
|---------------|-----------------|----------|---------------|-----------------|----------|
| Month.        | Acute Diarrhœa. | Cholera. | Month.        | Acute Diarrhœa. | Cholera. |
| January ...   | —               | —        | January ...   | 3               | 22       |
| February ...  | —               | —        | February ...  | —               | 3        |
| March ...     | —               | —        | March ...     | 1               | 1        |
| April ...     | —               | —        | April ...     | 1               | —        |
| May ...       | 1               | —        | May ...       | —               | —        |
| June ...      | 1               | —        | June ...      | —               | 2        |
| July ...      | —               | —        | July ...      | 3               | —        |
| August ...    | —               | —        | August ...    | 2               | —        |
| September ... | —               | —        | September ... | 2               | —        |
| October ...   | —               | 1        | October ...   | —               | —        |
| November ...  | 6               | —        | November ...  | —               | 1        |
| December ...  | 1               | —        | December ...  | 1               | —        |

The foregoing is of interest as it shews that the sudden outbreak of Cholera in January of 1907, was immediately preceded by an unusual incidence of cases of Acute Diarrhœa, which is not at all an unusual sequence.

The origin of these cases of Cholera and Acute Diarrhœa was not definitely traced, but the evidence pointed to the importation from India of contaminated food stuffs. Fish imported as manure would appear to be particularly open to suspicion as cases have been known where this filth has found its way into the food market and has been eaten. It appears that the importation of this stuff cannot be prohibited owing to its great value as a manure ; but I believe if its importation were prohibited except when in a pulverised condition a great deal of the risk involved would be obviated. It appears unlikely that if it were reduced to a powder as has to be done in any case I believe before it is used as manure the temptation to use it as food would disappear.

Dr. Craib the Provincial Surgeon, Western Province, informs me that by adopting this means an outbreak upon some Tea estates several years ago was stopped. I suggest that Government be approached in the matter, since it appears that there is no other way of dealing with this fish manure so that it will not be liable to be eaten by the lower classes, if they can get a hold of it. The addition of chemicals either renders it unfit for manure or renders it poisonous which latter would introduce a new element of danger which it is out of the question to risk.

15. **Chicken-pox.**—The number of cases of Chicken-pox notified during each of the last five years is shewn in the following table :—

TABLE XXIV.  
CHICKEN-POX, 1903 TO 1907.

| Year. | Cases. | Case rate per 1,000 living. | Deaths ? |
|-------|--------|-----------------------------|----------|
| 1903  | 230    | 1'41                        | 1        |
| 1904  | 274    | 1'65                        | —        |
| 1905  | 398    | 2'34                        | 2        |
| 1906  | 231    | 1'33                        | —        |
| 1907  | 259    | 1'47                        | 2        |

The chief danger about this disease is its liability to be mistaken for modified Small-pox, or rather *vice versa*.

One cannot view deaths ascribed to uncomplicated Chicken-pox without the gravest suspicion. There is at least one such instance on record where a death certified as due to Chicken-pox was followed immediately afterwards by an outbreak of Small-pox.

16. **Measles.**—The number of cases of Measels notified during each of the last five years. is shown in the following table :—

TABLE XXV.

MEASLES, 1903 TO 1907.

| Year. | Cases. | Case rate<br>per 1,000 living. | Deaths. |
|-------|--------|--------------------------------|---------|
| 1903  | 119    | 0·72                           | —       |
| 1904  | 278    | 1·67                           | 5       |
| 1905  | 397    | 2·34                           | 16      |
| 1906  | 354    | 2·04                           | 4       |
| 1907  | 74     | 0·41                           | —       |

There was thus a marked decrease in the prevalence of this disease.

17. **Scarlet Fever.**—The number of cases of Scarlet Fever notified during each of the last five years, is shown in the following table :—

TABLE XXVI.

SCARLET FEVER.

| Year. | Cases. | Case rate<br>per 1,000 living. | Deaths. |
|-------|--------|--------------------------------|---------|
| 1903  | —      | 0·000                          | —       |
| 1904  | —      | 0·000                          | —       |
| 1905  | 2      | 0·012                          | —       |
| 1906  | 1      | 0·006                          | —       |
| 1907  | 1      | 0·006                          | —       |

This disease does not as a rule thrive in the tropics.

18. **Diphtheria.**—The number of cases of Diphtheria notified during each of the last five years, is shown in the following table :—

TABLE XXVII.

DIPHTHERIA 1903 TO 1907.

| Year. | Cases. | Case rate per<br>1,000 living. | Deaths |
|-------|--------|--------------------------------|--------|
| 1903  | —      | 0·00                           | —      |
| 1904  | 6      | 0·03                           | 4      |
| 1905  | 2      | 0·01                           | —      |
| 1906  | 10     | 0·05                           | 1      |
| 1907  | 13     | 0·07                           | 4      |

There would appear from the above to be an increase in the amount of Diphtheria ; but it must be remembered in this connection that notification of all Infectious Diseases is steadily improving.

Whether this accounts for the increase or not I cannot say. I think it is probable that there are and always have been more cases of Diphtheria than the returns show.

The proportion of deaths to cases during the last four years to my mind indicates improved diagnosis and notification rather than an increase of cases. Bacteriological confirmation is rarely resorted to in cases of sore throat occurring in general practice. Of course it may be that there has been a genuine increase in the number of cases. A case mortality of 30 per cent as in 1907, is probably nearer the truth than one of 67 in 1904, which would mean that a number of cases in 1904 escaped notification. The numbers of cases are however altogether too small to form a reliable basis for conjecture. Whatever the facts may be as regard the actual number of cases this disease cannot at present be considered of much consequence as a cause of deaths in Colombo, otherwise the death returns if not the notifications, should show it. The death-rate per 1,000 in 1907, was only 0·02.

19. **Fevers.**—Under this heading are included, Typhoid or Enteric Fever, Simple Continued Fever of over seven days duration, Remittent Fever and Intermittent Fever.

*See Special Report No. 257 of 28th July, 1908.*

20. **Diarrhoeal Diseases.**—Under this heading are included Dysentery, Diarrhoea and Enteritis. Diarrhoeal diseases are most important cause of deaths in Colombo particularly amongst certain races as Tables XIV. and XXIX. show.

They were responsible in 1907, for 24·5 per cent. of the total Tamil deaths, and 22·7 per cent. of the total European deaths, and they caused during the 10 years 1897 to 1906, an average death-rate amongst the total population of 6·17 per 1,000 living.

The following table shows the mortality during the years, 1897–1907 :—



TABLE XXVIII.

DIARRHOEAL DISEASES, 1897-1907, ALL RACES. DEATH-RATE PER 1,000 LIVING.

| Year.    | Dysentery. | Diarrhoea and Enteritis. | Total Diarrhoeal. |
|----------|------------|--------------------------|-------------------|
| 1897     | 2.59       | 2.15                     | 4.69              |
| 1898     | 2.86       | 2.26                     | 5.13              |
| 1899     | 2.12       | 2.93                     | 5.05              |
| 1900     | 2.40       | 3.70                     | 6.12              |
| 1901     | 2.16       | 4.38                     | 6.55              |
| 1902     | 2.32       | 4.37                     | 6.69              |
| 1903     | 2.79       | 4.20                     | 6.83              |
| 1904     | 1.88       | 3.56                     | 5.43              |
| 1905     | 2.75       | 4.32                     | 7.07              |
| 1906     | 3.31       | 4.84                     | 8.10              |
| Average. | 2.47       | 3.67                     | 6.17              |
| 1907     | 1.73       | 3.34                     | 5.07              |

The distribution of the mortality from the Diarrhoeal group of diseases by race is shown in the following table :—

TABLE XXIX.

DIARRHOEAL DISEASES, 1897-1907. DEATH-RATES PER 1,000 OF EACH RACE LIVING.

| Year.                       | All races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|-----------------------------|------------|------------|-----------|------------|---------|--------|---------|---------|
| (a) { 1897                  | 4.69       | 4.01       | 4.12      | 4.54       | 6.63    | 3.42   | 3.68    | 4.25    |
| 1898                        | 5.13       | 3.54       | 3.90      | 4.80       | 6.88    | 4.63   | 2.15    | 5.54    |
| 1899                        | 5.05       | 3.49       | 4.55      | 5.06       | 6.64    | 3.95   | 1.40    | 5.75    |
| 1900                        | 6.12       | 4.95       | 4.50      | 6.02       | 9.13    | 3.81   | 5.67    | 5.46    |
| 1901                        | 6.55       | 5.24       | 3.78      | 5.47       | 11.14   | 4.75   | 5.29    | 5.84    |
| 1902                        | 6.69       | 7.36       | 4.99      | 6.23       | 10.13   | 4.57   | 3.87    | 6.98    |
| 1903                        | 6.83       | 9.04       | 5.73      | 7.32       | 8.48    | 5.18   | 6.27    | 5.27    |
| 1904                        | 5.43       | 6.04       | 4.97      | 5.81       | 5.19    | 4.65   | 6.92    | 5.75    |
| 1905                        | 7.07       | 5.24       | 6.04      | 7.62       | 8.18    | 5.24   | 5.55    | 5.99    |
| 1906                        | 8.10       | 7.22       | 5.58      | 8.05       | 11.10   | 5.76   | 5.21    | 7.19    |
| (b) { Average 1897-1906.    | 6.17       | 5.61       | 4.81      | 6.09       | 8.38    | 4.60   | 4.60    | 5.80    |
| (c) { 1907                  | 5.07       | 5.74       | 3.24      | 4.39       | 7.90    | 3.86   | 2.41    | 4.61    |
| (d) { Increase or decrease. | -1.10      | +0.13      | -1.57     | -1.70      | -0.48   | -0.74  | -2.19   | -1.19   |

The two preceeding tables show that the mortality from Diarrhoeal diseases has risen markedly during the last 11 years. The 1907 rate however showed a marked decline, but it is I think doubtful whether this improvement will be maintained.

There will I believe be no radical improvement in the mortality from these diseases until the soil in the neighbourhood of dwellings has been protected from the great pollution with sewage which has been going on ever since the town was started. The Drainage scheme and the enforcement of the proposed paving laws will it is hoped ultimately effect a great improvement in this respect.

The statistics in regard to Diarrhoeal diseases require to be worked out and analysed much more fully than I have been able to do in the present report.

21. **Pulmonary Diseases.**—Under this heading are included Phthisis Pulmonalis ( Consumption ) Pneumonia. and Bronchitis.

The following table shows the mortality from each of these during the last 11 years.

TABLE XXX.

PULMONARY DISEASES, 1897-1907, ALL RACES, DEATH-RATE PER 1,000 LIVING.

| Year.             | Phthisis. | Pneumonia. | Bronchitis. | Combined Pulmonary. |
|-------------------|-----------|------------|-------------|---------------------|
| 1897              | 2.38      | 1.55       | 1.47        | 5.41                |
| 1898              | 2.52      | 1.79       | 1.55        | 5.87                |
| 1899              | 2.39      | 1.94       | 1.14        | 5.48                |
| 1900              | 2.72      | 2.61       | 1.31        | 6.65                |
| 1901              | 3.21      | 3.61       | 1.60        | 8.45                |
| 1902              | 3.00      | 2.88       | 1.26        | 7.21                |
| 1903              | 3.22      | 3.00       | 1.28        | 7.51                |
| 1904              | 3.58      | 2.58       | 1.38        | 7.54                |
| 1905              | 3.65      | 3.32       | 1.33        | 8.30                |
| 1906              | 4.19      | 3.76       | 1.41        | 9.36                |
| Average 1897-1906 | 3.09      | 2.70       | 1.37        | 7.17                |
| 1907              | 1.00      | 3.29       | 1.06        | 5.35                |

The distribution of the mortality from the Pulmonary group of diseases by race is shown in the following table :—

TABLE XXXI.

PULMONARY DISEASES, 1897-1907, DEATH-RATE PER 1,000 OF EACH RACE LIVING.

| Year.                | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|----------------------|------------|------------|-----------|------------|---------|--------|---------|---------|
| 1897                 | 5.41       | 2.40       | 5.78      | 5.50       | 6.01    | 4.64   | 5.65    | 5.31    |
| 1898                 | 5.87       | 3.15       | 5.20      | 6.80       | 5.27    | 5.39   | 4.78    | 3.78    |
| 1899                 | 5.48       | 4.26       | 4.98      | 5.88       | 5.39    | 5.19   | 5.82    | 4.07    |
| 1900                 | 6.65       | 4.19       | 6.37      | 6.47       | 7.21    | 6.61   | 7.48    | 7.28    |
| 1901                 | 8.45       | 6.73       | 7.81      | 9.25       | 8.16    | 7.47   | 6.84    | 10.81   |
| 1902                 | 7.21       | 2.57       | 5.07      | 7.27       | 8.01    | 7.34   | 6.01    | 8.62    |
| 1903                 | 7.51       | 3.25       | 5.68      | 8.06       | 7.26    | 7.36   | 5.65    | 10.53   |
| 1904                 | 7.54       | 4.98       | 6.75      | 8.00       | 6.36    | 7.98   | 8.96    | 8.88    |
| 1905                 | 8.30       | 3.15       | 5.74      | 8.98       | 7.58    | 8.56   | 8.72    | 10.21   |
| 1906                 | 9.36       | 4.12       | 7.42      | 9.87       | 9.81    | 8.73   | 7.72    | 11.88   |
| Average<br>1897-1906 | 7.17       | 3.88       | 6.08      | 7.61       | 7.11    | 6.93   | 6.76    | 8.14    |
| 1907                 | 8.35       | 1.69       | 5.60      | 8.73       | 8.13    | 8.79   | 9.39    | 9.69    |

The two foregoing tables show the alarming steadiness of the rise in the mortality from Pulmonary diseases.

The whole question requires the most careful investigation, and cannot be dealt with in this Report. I am very much handicapped in the matter of carrying on investigations of this sort by the lack of trained assistants.

**22. Rabies and seizure of stray dogs.**—Two cases of rabies were reported during the year and the usual measures in the matter of seizure of stray dogs were continued.

The table below shows the number of dogs captured and destroyed during 1907.

The notification of rabies is not upon a satisfactory footing. It will be possible when the proposed Veterinary Department has been formed to deal in a more satisfactory manner with this and other Epizootic diseases.

TABLE XXXII.

NUMBER OF DOGS SEIZED, DESTROYED, &c., DURING THE YEAR, 1907.

|                                           | Balance. | Seized. | Redeemed. | Destroyed. | Died in Pound. | Sold by auction. | Sent to the Medical College. |
|-------------------------------------------|----------|---------|-----------|------------|----------------|------------------|------------------------------|
| Balance in the Pound at beginning of year | 66       | —       | —         | —          | —              | —                | —                            |
| Seized during the 1st quarter             | —        | 1165    | 429       | 763        | 16             | —                | —                            |
| Balance at the beginning of 2nd quarter   | 23       | —       | —         | —          | —              | —                | —                            |
| Seized during the quarter                 | —        | 1023    | 382       | 535        | 9              | 3                | —                            |
| Balance at the beginning of 3rd quarter   | 117      | —       | —         | —          | —              | —                | —                            |
| Seized during the quarter                 | —        | 1748    | 853       | 983        | 6              | 5                | 4                            |
| Balance at the beginning of 4th quarter   | 114      | —       | —         | —          | —              | —                | —                            |
| Seized during the quarter                 | —        | 875     | 290       | 579        | 5              | 2                | —                            |
| Total                                     | —        | 4811    | 1954      | 2860       | 36             | 10               | 4                            |

Balance at the end of the year 13.

## Section IV.

### FOOD AND MARKETS.

**23. Food inspection.**—The inspection of food remained on the same unsatisfactory basis as hitherto, the work being carried out as best it could by the Ward Inspectors.

The following statement shows the quantity of food stuffs seized as unfit for human consumption :—



TABLE XXXIII.

FOOD STUFFS SEIZED AS UNFIT FOR HUMAN CONSUMPTION, 1907.

|                 |     |                |
|-----------------|-----|----------------|
| Apples          | ... | 92 and 7½ lbs. |
| Rotten brinjals | ... | 13             |
| Potatoes        | ... | 123 lbs.       |
| Mutton cutlets  | ... | 2 lbs.         |
| Plantains       | ... | 14 lbs.        |
| Sweetmeats      | ... | 4 lbs.         |
| Mangoes         | ... | 62             |
| Lemon           | ... | 50 cases.      |
| Beef            | ... | 41½ lbs.       |
| Dry-fish        | ... | 54½ lbs.       |

*Food stuffs condemned at Customs.*

|             |     |              |
|-------------|-----|--------------|
| Rice        | ... | 186 bags.    |
| Onion       | ... | 740 baskets. |
| Potatoes    | ... | 188 bags.    |
| Dry-fish    | ... | 33 bundles.  |
| Cured-fish  | ... | 34 bags.     |
| Salted-fish | ... | 1 cask.      |

In addition to the above 53½ carcasses, and 736 livers were condemned at the Slaughterhouse, while 1395 animals were rejected prior to slaughter as unfit for the food market. (See Table XLI). Of these 1,326 were rejected on the grounds that they were too old and wasted for food purposes.

This work of rejecting old and wasted animals was begun in August, 1905, and it is hoped that it will in time lead to a material improvement in the quality of the meat offered for sale here. It is difficult to get a definite idea of the effect of such a measure, but my own impression is that the quality of the meat in Colombo has improved. I do not see how it can fail to be otherwise with over 1300 animals rejected as too old and wasted for food purposes, all of which would previously have found their way into the markets. The meat is still however of very poor quality owing to the lack of private enterprise in the matter of rearing animals and specially feeding them up for the Meat Market.

*Fish.*—One of the greatest problems in regard to the food supply in Colombo is that of the dry and salted fish sale. The most repulsive looking stuff finds a ready market, hence there is a great temptation to offer inferior fish for sale. Cases are known where even fish imported as manure has been sorted out and eaten, and in one instance a fish dealer was actually caught with a bag of fish manure in his boutique. Needless to say he was punished.

It is difficult to control the fish market under such circumstances and it is utterly impossible unless we have a special staff who can devote their whole time to the work of food inspection.

24. **Analytical work.**—This is done by the City Analyst and the Government Bacteriologist, the City Analyst being paid a fixed annual salary, while the Bacteriologist is paid a fee for every sample examined.

This latter is a most costly and unsatisfactory arrangement upon which I have previously reported.

580 mixed samples were sent to the City Analyst with the results shown in the statement below :—

TABLE XXXIV.

ANALYSES MADE BY CITY ANALYST IN 1907.

| Nature of Samples. | No. of samples sent to analyst. | No. condemned | Passed. | No. reported as suspicions. | No. on which reports not received. |
|--------------------|---------------------------------|---------------|---------|-----------------------------|------------------------------------|
| Town water         | 135                             | —             | 135     | —                           | —                                  |
| Well water         | 213                             | 186           | 22      | 5                           | —                                  |
| Aerated water      | 16                              | 6             | 10      | —                           | —                                  |
| Milk               | 89                              | 55            | 24      | —                           | —                                  |
| Air                | 1                               | 1             | —       | —                           | —                                  |
| Beer               | 4                               | —             | 2       | —                           | 2                                  |
| Porter             | 2                               | —             | 2       | —                           | —                                  |
| Flour              | 36                              | —             | 32      | —                           | 4                                  |
| Bread              | 27                              | —             | 27      | —                           | —                                  |
| Sugar              | 16                              | —             | 15      | —                           | 1                                  |
| Sherbet            | 5                               | —             | 5       | —                           | —                                  |
| Arrack             | 15                              | —             | 4       | —                           | 11                                 |
| Whisky             | 6                               | —             | 1       | —                           | 5                                  |
| Brandy             | 5                               | —             | 1       | —                           | 4                                  |
| Wine               | 1                               | —             | 1       | —                           | —                                  |
| Schnapp Gin        | 3                               | —             | 1       | —                           | 2                                  |
| Unsweatened Gin    | 2                               | —             | 1       | —                           | 1                                  |
| Key Gin            | 4                               | —             | 1       | —                           | 3                                  |
|                    | 580                             | 258           | 284     | 5                           | 33                                 |

The results of the Bacteriological examination of the town water are shown in the following table :—

TABLE XXXV.  
BACTERIOLOGICAL EXAMINATION OF TOWN WATER, 1907, BY DIRECTOR  
BACTERIOLOGICAL INSTITUTE.

|                                                | First<br>Quarter | Second<br>Quarter | Third<br>Quarter | Fourth<br>Quarter |
|------------------------------------------------|------------------|-------------------|------------------|-------------------|
| No. of bacteria per c.c., (agar plate) ...     | 422              | 402               | 308              | 340               |
| No. of bacterir per c.c., (gelatine plate) ... | nil              | absent            | 320              | 360               |
| Bacillus Coli ...                              | absent           | absent            | absent           | absent            |
| B. Enterides Sporogenes ...                    | absent           | absent            | absent           | absent            |
| B. Typhosus ...                                | absent           | absent            | absent           | absent            |
| Cholera Vibreo ...                             | absent           | absent            | absent           | absent            |
| Streptococci ...                               | absent           | absent            | absent           | absent            |
| Germs liquifying gelatine ...                  | 9 per cent       | 7 per cent        | 8 per cent       | nil               |

*Special sample taken on 21st August, 1907.*

|                                                         |        |
|---------------------------------------------------------|--------|
| No. of bacteria per c.c., of water (agar plate) ...     | 356    |
| No. of bacteria per c.c., of wrter (gelatine plate) ... | 320    |
| Baci lus coli ...                                       | absent |
| Bacillus entrides sporogenes ...                        | absent |
| Streptococci ...                                        | absent |
| Germs liquifying gelatine ...                           | 8 %    |

(a) **Town water.**—135 samples of town water were taken to the City Analyst, all of which were passed as fit for consumption. No Pathogenic Bacteria were found in the five samples examined by the Bacteriologist. While this is satisfactory so far as it goes, many more samples should be examined Bacteriologically, but the cost under the present arrangement is prohibitive. I have received many complaints as to the inadequacy of the supply.

(b) **Wells.**—Of 213 samples only 22 were passed, 238 wells were cloosed during the year which is an improvement on the 1906, figures.

The results of the analyses of well waters indicate the general polluted and dangerous condition of the wells in the town.

(c) **Milk.**—The milk supply of Colombo is still exceedingly unsatisfactory. The milk-men as a class are extremely careless in the matter of protecting this article of food from pollution, and milk if used in the unboiled state must be viewed as probably the most dangerous article of food sold in Colombo. It is sheer folly to drink milk which has not been recently boiled, even although the milk is got from a cow kept upon or brought to the premises of the householder.

The heavy incidence of Typhoid Fever amongst Europeans and Burghers is I believe in many instances attributable to neglect of ordinary precautions in regard to this important article of diet.

(d) **Aerated water.**—Of 16 samples of ærated waters six were condemned owing to their containing traces of heavy metals, (lead and copper). This was found to be due to the use of lead and copper piping in the bottling apparatus, and the manufacturers were required to replace these by block tin.

25. **Dairies.**—There were 40 dairies on the register at the end of 1906, distributed as shown in the statement below. Seven new registrations were granted, and 12 were cancelled leaving 35 on the register at the end of the year.

The condition of the dairies in Colombo although much better than it used to be, is still very unsati-factory. This is due in a great measure to the lack of private enterprise, which in turn is due to the lack of interest displayed by householders in the source from which their milk supply is derived. If people would not buy milk from itinerant vendors these would soon be driven off the field but a man with a single cow which he hawks about from house to house has quite as good, indeed I believe even a better chance of securing customers than a dairyman who has spent considerable sums of money in an endeavour to render his dairy up to date.

Until the people themselves take an intelligent interest in these matters there is little chance of the dairymen exerting themselves more than they need in order to keep out of the Municipal Court.

The following statement shows the distribution of the registered dairies :—

TABLE XXXVI.  
REGISTRATION OF DAIRIES, 1907.

| WARD.             | No. on<br>register at end<br>of 1906. | No. registered<br>during the<br>year, 1907. | No. discon-<br>tinued during<br>the year. | Total at end<br>of the year. |
|-------------------|---------------------------------------|---------------------------------------------|-------------------------------------------|------------------------------|
| Fort ...          | —                                     | —                                           | —                                         | —                            |
| Pettah ...        | —                                     | —                                           | —                                         | —                            |
| San Sebastian ... | —                                     | —                                           | —                                         | —                            |
| St. Paul's ...    | 6                                     | 1                                           | 1                                         | 6                            |
| Kotahena ...      | 3                                     | —                                           | 1                                         | 2                            |
| New Bazaar ...    | 4                                     | 2                                           | 2                                         | 4                            |
| Maradana ...      | 13                                    | —                                           | 5                                         | 8                            |
| Slave Island ...  | 4                                     | —                                           | 2                                         | 2                            |
| Kollupitiya ...   | 10                                    | 4                                           | 1                                         | 13                           |
| Total ...         | 40                                    | 7                                           | 12                                        | 35                           |



26. **Bakeries.**—The table below shows the distribution of the bakeries of which there were 49 on the register at the end of the year.

The condition of the bakeries in Colombo has very greatly improved since the passing of the by-laws which render their registration compulsory.

TABLE XXXVII.  
BAKERIES REGISTERED DURING, 1907.

| MONTH.    | Fort. | Pettah. | San Sebastian | St. Paul's. | Kotahena. | New Bazaar. | Maradana. | Slave Island. | Colpetty. | Total. |
|-----------|-------|---------|---------------|-------------|-----------|-------------|-----------|---------------|-----------|--------|
| January   | —     | 1       | —             | —           | —         | —           | —         | —             | —         | 1      |
| February  | 1     | 1       | 1             | —           | 1         | —           | —         | —             | —         | 4      |
| March     | 1     | 1       | —             | 1           | 4         | —           | —         | 2             | 1         | 10     |
| April     | 1     | 1       | 1             | 1           | 1         | 2           | 1         | 1             | —         | 9      |
| May       | —     | —       | —             | 1           | —         | 1           | 4         | 3             | —         | 9      |
| June      | —     | —       | —             | —           | 2         | —           | 2         | —             | —         | 4      |
| July      | —     | —       | 1             | 2           | —         | 2           | 1         | —             | 1         | 7      |
| August    | —     | —       | —             | —           | —         | —           | —         | —             | —         | —      |
| September | —     | —       | —             | —           | —         | —           | —         | —             | 1         | 1      |
| October   | —     | —       | —             | —           | 1         | —           | —         | —             | —         | 1      |
| November  | —     | 1       | —             | —           | —         | —           | —         | —             | —         | 1      |
| December  | —     | —       | —             | 1           | —         | 1           | —         | —             | —         | 2      |
|           | 3     | 5       | 3             | 6           | 9         | 6           | 8         | 6             | 3         | 49     |

27. **Eating Houses.**—There were 269 eating houses registered during, 1907. Their condition has been much improved since registration was made compulsory. Their distribution was as follows:—

TABLE XXXVIII.  
NO. OF EATING HOUSES ON REGISTER AT END OF 1907.

|                |     |     |     |
|----------------|-----|-----|-----|
| Fort           | ... | ... | 24  |
| Pettah         | ... | ... | 61  |
| San Sebastian  | ... | ... | 13  |
| St. Paul's     | ... | ... | 45  |
| Kotahena North | ... | ... | 15  |
| Kotahena South | ... | ... | 4   |
| New Bazaar     | ... | ... | 14  |
| Maradana North | ... | ... | 15  |
| Maradana South | ... | ... | 30  |
| Slave Island   | ... | ... | 29  |
| Colpetty North | ... | ... | 9   |
| Colpetty South | ... | ... | 10  |
| Total          | ... | ... | 269 |

28. **Laundries.**—244 laundries were on the register at the end of 1907, distributed as shown below.

The condition of the laundry trade in Colombo continues to be most unsatisfactory. Many householders do not even take the trouble to ascertain whether their laundrymen are registered or not. The great difficulty in connection with laundry work is as hitherto the difficulty of obtaining pure water. Even the dhobies who wash in the Municipal tanks at Beira which are supplied with town water, wash batch after batch of dirty clothes in the same water until it looks almost of the consistence of pea soup. They *say* they pass them through clean water afterwards, but I am inclined to think from what I have seen that this very necessary stage is often omitted.

To ensure the free use of clean water there should be as little restriction as possible placed upon its use, the town supply is not at present so plentiful as to encourage its use for this purpose.

TABLE XXXIX.  
LAUNDRY REGISTRATION, 1907.  
*No. on register at end of year.*

|                |     |     |     |
|----------------|-----|-----|-----|
| Fort           | ... | ... | —   |
| Pettah         | ... | ... | 26  |
| San Sebastian  | ... | ... | 12  |
| St. Paul's     | ... | ... | 3   |
| Kotahen North  | ... | ... | 23  |
| Kotahen South  | ... | ... | 20  |
| New Bazaar     | ... | ... | 55  |
| Maradana North | ... | ... | 32  |
| Maradana South | ... | ... | 39  |
| Slave Island   | ... | ... | 21  |
| Colpetty North | ... | ... | 2   |
| Colpetty South | ... | ... | 11  |
| Total          | ... | ... | 244 |

29. **Offensive and Dangerous Trades.**—The number of licenses issued during the year in respect of dangerous and offensive trades is shown in the table below :—

There are no tanneries now in Colombo.

TABLE XL.

LIST OF LICENSES ISSUED FOR THE FOLLOWING TRADE PURPOSES DURING, 1907.

| Month.        | Manure. | Timber<br>and fire-<br>wood. | Cotton | Dyeing. | Straw. | Soap. |
|---------------|---------|------------------------------|--------|---------|--------|-------|
| January ...   | —       | 2                            | —      | —       | —      | —     |
| February ...  | 2       | 39                           | 4      | 1       | 8      | —     |
| March ...     | 2       | 21                           | 2      | 2       | 1      | 1     |
| April ...     | 1       | 7                            | 3      | —       | 3      | 1     |
| May ...       | —       | 9                            | 3      | 1       | —      | 1     |
| June ...      | —       | 9                            | 2      | 1       | —      | —     |
| July ...      | 4       | 6                            | 2      | 4       | 1      | —     |
| August ...    | 1       | 7                            | —      | 2       | —      | —     |
| September ... | —       | 2                            | —      | —       | —      | —     |
| October ...   | —       | 1                            | —      | —       | 1      | —     |
| November ...  | 1       | 3                            | —      | —       | 2      | —     |
| December ...  | 2       | 5                            | —      | —       | 1      | —     |
| Total ...     | 13      | 111                          | 16     | 11      | 17     | 3     |

30. **Slaughter-house.**—There is only one Slaughter-house now in Colombo, viz :—the one at Demetagoda.

The number of cattle and sheep slaughtered, the number of animals rejected, &c., are shown in the statement below.

The condition of the Slaughter-house is not satisfactory. The accommodation is much too limited, especially for buffaloes, and there are many improvements required. To place this branch on a proper footing, in accordance with modern requirements will cost a great deal of money. The matter has been under consideration for some time.

TABLE XLI.

SLAUGHTER-HOUSE RETURNS, 1907, DEMETAGODA SLAUGHTER-HOUSE.

( a )

|                 |                  | Carcases condemned. |     | Livers condemned. |
|-----------------|------------------|---------------------|-----|-------------------|
| 1st Quarter ... | 8 $\frac{3}{4}$  | ...                 | 250 |                   |
| 2nd Quarter ... | 11 $\frac{3}{4}$ | ...                 | 204 |                   |
| 3rd Quarter ... | 18               | ...                 | 151 |                   |
| 4th Quarter ... | 14 $\frac{3}{4}$ | ...                 | 131 |                   |
| Total ...       | 53 $\frac{3}{4}$ |                     | 736 |                   |

( b ) CATTLE, &c., SLAUGHTERED.

|                 | Cattle. |     | Sheep and goats. |     | Pigs. |
|-----------------|---------|-----|------------------|-----|-------|
| 1st Quarter ... | 5,486   | ... | 1,6033           | ... | 452   |
| 2nd Quarter ... | 5,895   | ... | 1,8389           | ... | 536   |
| 3rd Quarter ... | 6,077   | ... | 1,9225           | ... | 598   |
| 4th Quarter ... | 6,191   | ... | 1,8830           | ... | 605   |
| Total ...       | 23,649  |     | 72,477           |     | 2,191 |

( c ) RETURN OF CATTLE REJECTED.

| Quarter.        | Indian. |         | Ceylon. |         | Nature of disease. |                      |      |                 |         | Total. |
|-----------------|---------|---------|---------|---------|--------------------|----------------------|------|-----------------|---------|--------|
|                 | Black   | Buffalo | Black   | Buffalo | Hoof               | Sores &<br>abscesses | Skin | Rinder-<br>pest | Wasted. |        |
| 1st Quarter ... | 39      | —       | 5       | 1       | 12                 | 4                    | —    | —               | 29      | 45     |
| 2nd Quarter ... | 278     | 22      | 29      | 37      | 11                 | 12                   | 5    | —               | 338     | 366    |
| 3rd Quarter ... | 240     | 36      | 26      | 86      | —                  | 3                    | —    | 1               | 384     | 388    |
| 4th Quarter ... | 399     | 44      | 34      | 119     | 9                  | 10                   | —    | 2               | 575     | 596    |
| Total ...       | 956     | 102     | 94      | 243     | 32                 | 29                   | 5    | 3               | 1326    | 1395   |

31. **Licenses issued.**—The following statement shows the number of meat and fish licenses issued during each month of the year, and Statement XLIII. shows the number of stalls rented during the year :—



TABLE XLII.

STATEMENT SHOWING NUMBER OF MEAT AND FISH LICENSES ISSUED FOR THE YEAR, 1907.

| Month.            | Butchers license | Special license of mutton. | Special licenses for beef. | Special licenses for fish. |
|-------------------|------------------|----------------------------|----------------------------|----------------------------|
| December 1906 ... | 47 ( for 07 )    | 11                         | 18                         | 1                          |
| January 1907 ...  | 1                | 4                          | 4                          | 2                          |
| February ...      | 1                | —                          | 5                          | 4                          |
| March ...         | —                | 2                          | 2                          | 24                         |
| April ...         | 2                | —                          | —                          | 1                          |
| May ...           | —                | —                          | 1                          | —                          |
| June ...          | —                | 5                          | 4                          | 1                          |
| July ...          | —                | —                          | —                          | —                          |
| August ...        | —                | —                          | —                          | —                          |
| September ...     | —                | —                          | —                          | 2                          |
| October ...       | 1                | —                          | —                          | —                          |
| November ...      | —                | —                          | —                          | 3                          |
| December ...      | —                | —                          | —                          | —                          |
|                   | 52               | 22                         | 34                         | 38                         |

TABLE XLIII.

## 32. List of stalls in different public markets used for the sale of beef, &amp;c.

| Name of market.                | No. of stalls. | Mutton stalls. | Beef stalls. | Pork stalls. | Vacant. |
|--------------------------------|----------------|----------------|--------------|--------------|---------|
| Edinburgh meat market.         | 24             | 7              | 10           | 4            | 3       |
| Dean's road meat market.       | 19             | 5              | 14           | —            | —       |
| Slave Island meat market.      | 10             | —              | 7            | —            | 3       |
| Slave Island mutton market ... | 10             | 4              | 3            | —            | 3       |
| Gintupitiya mutton market ...  | 9              | 9              | —            | —            | —       |
| Colpetty ...                   | 5              | 2              | 3            | —            | —       |
| Mohamedan meat market          | 6              | —              | 6            | —            | —       |
| Bambalapitiya market ...       | 4              | 4              | —            | —            | —       |
|                                | 87             | 31             | 43           | 4            | 9       |

## Section V.

33. **Work done by staff.**—The statement below gives a summary of the work done by the Sanitary Inspectors :—

It shows a falling off in the number of premises visited, and a slight falling off in the number of prosecutions, but an increase in the number of convictions and in the amount of the fines imposed. The Wards showing the greatest falling off in the number of inspections paid are Kotahena and St. Paul's and the Ward showing the least falling off is Colpetty.

Fort, Pettah and New Bazaar show an increase in the number of prosecutions, all the other Wards show a decrease. The details of the prosecutions are given in Statement XLIX. in the appendix.

TABLE XLIV.

(a) WORK DONE BY WARD INSPECTORS.

| Nature of Work.                                                | Fort.  | Pettah. | San Sebastian | St. Paul's. | Kotahena. | New Bazaar. | Maradana. | Slave Island. | Colpetty. | Total.   |
|----------------------------------------------------------------|--------|---------|---------------|-------------|-----------|-------------|-----------|---------------|-----------|----------|
| No. of inspections ...                                         | 1006   | 8938    | 5663          | 13694       | 13327     | 4997        | 10228     | 5214          | 10781     | 73848    |
| No. of premises in which sanitary defects were found ...       | 118    | 2072    | 932           | 1667        | 1467      | 1463        | 1692      | 714           | 1536      | 11691    |
| No. of notices served ...                                      | 28     | 337     | 245           | 749         | 300       | 260         | 320       | 303           | 236       | 2778     |
| No. of notices voluntarily complied with ...                   | 25     | 240     | 135           | 556         | 253       | 156         | 227       | 247           | 194       | 2033     |
| No. of premises where defects were rectified after warning ... | 94     | 2690    | 392           | 1118        | 812       | 669         | 1015      | 178           | 265       | 7233     |
| No. of wells closed ...                                        | 2      | 9       | 21            | 52          | 34        | 27          | 64        | 20            | 9         | 238      |
| No. of cesspits closed ...                                     | —      | 24      | 17            | 22          | 21        | 42          | 24        | 15            | 5         | 170      |
| No. of houses disinfected...                                   | 7      | 25      | 46            | 81          | 196       | 67          | 201       | 78            | 100       | 801      |
| No. of prosecutions ...                                        | 70     | 830     | 540           | 649         | 661       | 694         | 659       | 536           | 281       | 5020     |
| No. of convictions ...                                         | 61     | 700     | 456           | 537         | 597       | 610         | 476       | 441           | 327       | 4205     |
| No. discharged or otherwise dealt with ...                     | 5      | 57      | 39            | 47          | 44        | 50          | 32        | 25            | 29        | 328      |
| No. pending at end of year                                     | 2      | 4       | 4             | 6           | 5         | 14          | 11        | 1             | 4         | 51       |
| Amount of fines ...                                            | 198'00 | 1413'00 | 2018'50       | 3017'00     | 2751'00   | 3507'31     | 3090'50   | 4747'50       | 1848'50   | 25591'82 |

## (b) MUNICIPAL MIDWIVES.

The work done by the Midwives is shown in the three statements below.

476 confinements were attended, and 479 infants were born.

37 out of the 479 infants died representing a rate of 0·77 per 1,000. 29 of these were still births and the remaining 8 died within 4 days of birth.

No case of Ophthalmia neonatorum was reported by the Municipal Midwives.

TABLE XLV.

(a) STATEMENT OF CASES CONDUCTED BY MUNICIPAL MIDWIVES DURING, 1907.

| NAME.                | DIVISION.         | 1st Quarter. | 2nd Quarter. | 3rd Quarter. | 4th Quarter. | Total. |
|----------------------|-------------------|--------------|--------------|--------------|--------------|--------|
| S. Fernando ...      | St. Paul's ...    | 6            | 7            | 7            | 7            | 27     |
| Agida Perera ...     | Kotahena ...      | 23           | 23           | 27           | 46           | 119    |
| Nonno Hamy ...       | San Sebastian ... | 18           | 13           | 16           | 19           | 66     |
| M. P. Muruger ...    | St. Paul's ...    | 26           | 20           | 14           | 30           | 90     |
| Caroline Caldera ... | Slave Island ...  | 19           | 10           | —            | —            | 29     |
| Amy de Silva ...     | Slave Island ...  | —            | —            | 26           | 50           | 76     |
| Sarah Dias ...       | New Bazaar ...    | 24           | 12           | 16           | 17           | 69     |
|                      |                   | 116          | 85           | 106          | 169          | 476    |

TABLE XLVI.

(b) STATISTICS OF CASES CONDUCTED BY MUNICIPAL MIDWIVES DURING, 1907.

| Division.            | Name of Midwife.     | Bughers. |          | Sinhalese. |          | Tamils. |          | Moors. |          | Malays. |          | Others. |          | All Races. |          | Total Births. | Deaths. | Death rate per cent. |
|----------------------|----------------------|----------|----------|------------|----------|---------|----------|--------|----------|---------|----------|---------|----------|------------|----------|---------------|---------|----------------------|
|                      |                      | Males.   | Females. | Males.     | Females. | Males.  | Females. | Males. | Females. | Males.  | Females. | Males.  | Females. | Males.     | Females. |               |         |                      |
| I. St. Paul's        | Mrs. S. Fernando     | 1        | 2        | 6          | 6        | 1       | 4        | 3      | 2        | —       | —        | 1       | 1        | 12         | 15       | 27            | 2       | 7·41                 |
| II. Kotahena         | Agida Perera         | 12       | 10       | 35         | 34       | 13      | 6        | 3      | 3        | 1       | —        | 1       | 1        | 65         | 54       | 119           | 9       | 7·56                 |
| III. St. Sebastian   | Nonno Hamy           | 2        | 4        | 15         | 19       | 3       | 3        | 5      | 4        | 2       | 4        | —       | 5        | 27         | 39       | 66            | 5       | 7·58                 |
| IV. St. Paul's       | Mary P. Mumger       | 1        | 1        | 7          | 9        | 34      | 34       | 5      | —        | —       | —        | —       | —        | 47         | 44       | 91            | 9       | 9·89                 |
| V. Slave Island      | { Caroline Caldera } | 2        | —        | 7          | 10       | 4       | 3        | 1      | —        | 1       | 1        | —       | —        | 15         | 14       | 106           | 8       | 7·55                 |
|                      | { Amy de Silva }     | 2        | —        | 15         | 21       | 9       | 7        | —      | 1        | 9       | 13       | —       | —        | 35         | 42       |               |         |                      |
| VI. New Bazaar       | Sarals Dias          | 5        | 3        | 18         | 20       | 5       | 2        | 6      | 8        | 2       | 1        | —       | —        | 36         | 34       | 70            | 4       | 5·71                 |
| Total of each sex... |                      | 25       | 20       | 103        | 119      | 69      | 59       | 23     | 18       | 15      | 19       | 2       | 7        | 237        | 242      | 479           | 37      | 7·72                 |
| Grand Total ...      |                      | 45       |          | 222        |          | 128     |          | 41     |          | 31      |          | 9       |          | 479        |          |               |         |                      |

Includes three multiple births.

TABLE XLVII.

(c) BIRTHS AND DEATHS.

| Race.         | Births.  |        |          | Deaths.  |        |          | Death-rate per cent. |
|---------------|----------|--------|----------|----------|--------|----------|----------------------|
|               | Persons. | Males. | Females. | Persons. | Males. | Females. |                      |
| All races ... | 497      | 237    | 242      | 37       | 14     | 23       | 7·72                 |
| Burghers ...  | 45       | 25     | 20       | 4        | 3      | 1        | 8·89                 |
| Sinhalese ... | 222      | 103    | 119      | 15       | 7      | 8        | 6·76                 |
| Tamils ...    | 128      | 69     | 59       | 15       | 3      | 12       | 11·72                |
| Moors ..      | 41       | 23     | 18       | 2        | 1      | 1        | 4·88                 |
| Malays ...    | 34       | 15     | 19       | 1        | —      | 1        | 2·94                 |
| Others ...    | 9        | 2      | 7        | —        | —      | —        | 0·00                 |



## Section VI.

### CONSERVANCY BRANCH.

The work of removal and disposal of night-soil was as usual carried out by contract under the supervision of this Department. It was, except during the month of April, satisfactorily carried out. The most unsatisfactory part of this work was as hitherto in the matter of cleaning of the buckets after they had been emptied. This is not at all satisfactorily done especially in the poorer quarters of the town. This part of the work is rendered much more difficult by the defective nature of many of the buckets used by the householders. A galvanised iron bucket the sides of which have become corroded and rough cannot properly be cleansed unless it is washed which cannot be done under existing conditions in a large proportion of instances as there is no means of disposing of the highly polluted washings. A bucket the sides of which are left coated with night-soil is not only highly offensive but a great source of danger owing to the prevalence of flies at certain seasons. The chief neglect on the part of the householders was as usual the neglect to use coir dust which as in the case of improper cleansing not only renders the latrine offensive but a source of danger on account of flies which visit the latrines for the purpose of depositing their eggs, and then visit the house in search of food. The eggs of these flies are subsequently hatched out in the trenches at the depôt, and as shown in my report upon Fevers this is one of the sources of the Plague of flies which at certain seasons infest the depôt.

There is no doubt in my mind these latrines are a fruitful source of Typhoid infection not only through the agency of flies but owing to the habit of squatting and the consequent fouling of the floor with urine. The infection is no doubt frequently carried from the latrine into the house upon the feet of those using the latrine. The new type of latrine which is being introduced and which is after the model of the one first introduced by the Military into the latrines of the native regiment, has greatly improved the sanitary condition of the latrines, but in many of these the floor is still fouled with urine and washings owing to the carelessness of the householders who do not understand the danger of soiling their feet with this filth. The latrine system will not be on a satisfactory footing until the water carriage system has been introduced.

The annexed Statement L. in appendix gives a classified statement of the neglects by the contractor and the fines imposed. Fines aggregating Rs. 1,696·85 were imposed as against Rs. 947·70 in 1906.

A large part of these fines were imposed during the first half of the year towards the end of the old contract. The contract changed hands in June when Mr. Don Philip A. Wijewardene, Muhandiram, was succeeded as contractor by Mr. P. de S. Wijeyeratne who had previously held the contract for some years.

The new contract is for a term of three years, which is a distinct improvement on the old system of annual contracts, as the change of contract invariably means a good deal of trouble and dislocation of service.

**34. Revenue and Expenditure.**—These are shown in the Statement LI. in appendix where the number of buckets conserved, and the number of cesspits cleared are also shown.

On 31st December, 1906, there were 8,356 buckets being daily conserved, while on 31st December, 1907, there were 8,819, an increase of 463 buckets.

The total amount of revenue collected was Rs. 159,513·40 as against a total amount due of Rs. 172,595·32. This cannot be considered very satisfactory and a special effort has been made this year (1908), to improve matters in this respect.

The collection of this source of revenue is one which is rendered exceedingly difficult owing to the enormous number of small items to be dealt with, and the impunity with which householders could hitherto delay their payments. The imposition of costs in addition to the usual charge in every case where a householder fails to pay after due notice will it is hoped improve matters, and steps have been taken to put this in force.

**35. The Depot.**—The work of the depôt has been carried on as hitherto and has been as satisfactorily done as circumstances permit.

**36. Cesspits.**—357 cesspits were cleared out, and 130 were closed during the year. Four pits were cleared and filled up and two dry-earth closets were built by the Works Department at the expense of the owners.

## Section VII.

### STAFF.

Dr. A. K. Pani the Assistant Medical Officer of Health, resigned his appointment and left on 31st July, 1907, to take up the post of Medical Officer of Health at Bangalore.

I take this opportunity of acknowledging the excellent work done by Dr. Pani while in this Department. The delay in filling up the vacancy so created has caused the greatest inconvenience, as Dr. Loos who has been acting has other duties to perform, and can only devote a part of his time to the work of this Department. I am indebted to Dr. Loos for much valuable assistance, his special knowledge of Infectious Diseases being of particular service.

The various resignations, promotions, &c., during the year are shown in Statement LII. in the appendix.

WM. MARSHALL PHILIP,  
*Medical Officer of Health.*

September 7, 1908.



TABLE XLVIII. (a)

Causes of Deaths in the Town of Colombo during the year 1907.

| Class. | CAUSES OF DEATHS.                       | Colombo Town. | WARD.                |         |                |             |           |             |                     |                                  |               |           | NATIONALITY. |           |            |         |        |         |         |
|--------|-----------------------------------------|---------------|----------------------|---------|----------------|-------------|-----------|-------------|---------------------|----------------------------------|---------------|-----------|--------------|-----------|------------|---------|--------|---------|---------|
|        |                                         |               | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana exclusive of Hospitals. | Slave Island. | Colpetty. | Europeans.   | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|        | ALL CAUSES.                             | 5747          | 27                   | 94      | 262            | 559         | 869       | 530         | 1665                | 863                              | 487           | 391       | 75           | 291       | 2603       | 1395    | 1002   | 189     | 192     |
| i      | Specific febrile or zymotic diseases    | 1426          | ...                  | 23      | 55             | 123         | 222       | 116         | 530                 | 191                              | 96            | 70        | 29           | 72        | 576        | 439     | 223    | 39      | 48      |
| ii     | Parasitic diseases                      | 182           | ...                  | ...     | 9              | 5           | 32        | 11          | 63                  | 24                               | 23            | 15        | ...          | 5         | 112        | 41      | 18     | 3       | 3       |
| iii    | Dietetic diseases                       | 46            | ...                  | ...     | ...            | 4           | 22        | ...         | 7                   | 7                                | 5             | 1         | 1            | 1         | 20         | 14      | 8      | 1       | 1       |
| iv     | Constitutional diseases                 | 829           | 3                    | 11      | 38             | 75          | 87        | 79          | 248                 | 152                              | 72            | 64        | 5            | 50        | 392        | 169     | 145    | 36      | 32      |
| v      | Developmental diseases                  | 365           | 1                    | 3       | 18             | 33          | 93        | 35          | 46                  | 57                               | 50            | 29        | 1            | 28        | 155        | 60      | 90     | 23      | 8       |
| vi     | Local diseases                          | 2261          | 11                   | 46      | 112            | 282         | 331       | 243         | 537                 | 374                              | 169           | 156       | 28           | 104       | 1039       | 537     | 418    | 66      | 75      |
| vii    | Violence                                | 112           | 9                    | 2       | 2              | 1           | 10        | 4           | 55                  | 16                               | 5             | 8         | 4            | 3         | 58         | 24      | 12     | 3       | 8       |
| viii   | Ill-defined and not specified diseases  | 526           | 3                    | 9       | 28             | 36          | 72        | 42          | 179                 | 42                               | 67            | 48        | 7            | 28        | 251        | 117     | 88     | 18      | 17      |
| i      | 1. Miasmatic diseases                   | 370           | ...                  | 3       | 15             | 33          | 62        | 23          | 98                  | 82                               | 35            | 19        | 11           | 26        | 200        | 47      | 60     | 16      | 10      |
|        | 2. Diarrhoeal diseases                  | 827           | ...                  | 10      | 23             | 64          | 126       | 61          | 383                 | 79                               | 39            | 42        | 15           | 36        | 280        | 338     | 117    | 13      | 28      |
|        | 3. Malarial diseases                    | 153           | ...                  | 9       | 12             | 16          | 27        | 21          | 33                  | 17                               | 14            | 4         | 1            | 5         | 64         | 44      | 25     | 6       | 8       |
|        | 4. Zoogenous diseases                   | 1             | ...                  | ...     | ...            | ...         | ...       | 1           | ...                 | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
|        | 5. Venereal diseases                    | 12            | ...                  | 1       | 1              | 1           | ...       | ...         | 7                   | 1                                | ...           | 1         | ...          | ...       | 8          | 2       | 1      | ...     | 1       |
|        | 6. Septic diseases                      | 63            | ...                  | ...     | 4              | 9           | 7         | 10          | 9                   | 12                               | 8             | 4         | 2            | 5         | 23         | 8       | 20     | 4       | 1       |
| ii     | Parasitic Diseases                      | 182           | ...                  | ...     | 9              | 5           | 32        | 11          | 63                  | 24                               | 23            | 15        | ...          | 5         | 112        | 41      | 18     | 3       | 3       |
| iii    | Dietetic diseases                       | 46            | ...                  | ...     | ...            | 4           | 22        | ...         | 7                   | 7                                | 5             | 1         | 1            | 1         | 20         | 14      | 8      | 1       | 1       |
| iv     | Constitutional diseases                 | 829           | 3                    | 11      | 38             | 75          | 87        | 79          | 248                 | 152                              | 72            | 64        | 5            | 50        | 392        | 169     | 145    | 36      | 32      |
| v      | Developmental diseases                  | 365           | 1                    | 3       | 18             | 33          | 93        | 35          | 46                  | 57                               | 50            | 9         | 1            | 28        | 155        | 60      | 90     | 23      | 8       |
| vi     | Diseases of :—                          |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | 1. Nervous system                       | 780           | ...                  | 11      | 46             | 116         | 115       | 122         | 67                  | 148                              | 74            | 81        | 3            | 29        | 377        | 156     | 164    | 31      | 20      |
|        | 2. Organs of special sense              | 2             | ...                  | ...     | ...            | ...         | ...       | ...         | 2                   | ...                              | ...           | ...       | ...          | ...       | 1          | 1       | ...    | ...     | ...     |
|        | 3. Circulatory system                   | 167           | 4                    | 4       | 3              | 9           | 38        | 3           | 36                  | 33                               | 10            | 27        | 7            | 15        | 87         | 27      | 23     | 1       | 7       |
|        | 4. Respiratory system                   | 826           | 3                    | 25      | 47             | 114         | 126       | 82          | 195                 | 140                              | 65            | 29        | 2            | 34        | 343        | 228     | 163    | 21      | 35      |
|        | 5. Digestive system                     | 254           | 1                    | 2       | 7              | 21          | 37        | 17          | 105                 | 38                               | 11            | 15        | 9            | 18        | 130        | 44      | 40     | 6       | 7       |
|        | 6. Lymphatic system and ductless glands | 5             | ...                  | ...     | ...            | ...         | 2         | ...         | 2                   | 1                                | ...           | ...       | ...          | ...       | 3          | ...     | 1      | 1       | ...     |
|        | 7. Urinary system                       | 86            | 1                    | 1       | 3              | 15          | 3         | 10          | 41                  | 7                                | 4             | 1         | 3            | 4         | 40         | 23      | 11     | 2       | 3       |
|        | 8. Reproductive system                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | a. Organs of generation                 | 19            | ...                  | ...     | 1              | ...         | 1         | 1           | 12                  | 1                                | 3             | ...       | 1            | 2         | 10         | 4       | 1      | 1       | ...     |
|        | b. Parturition                          | 39            | 2                    | 1       | 3              | 5           | 8         | 4           | 11                  | 3                                | ...           | 2         | 2            | 1         | 17         | 7       | 10     | 1       | 1       |
|        | 9. Organ of locomotion                  | 4             | ...                  | ...     | ...            | ...         | ...       | ...         | 4                   | ...                              | ...           | ...       | ...          | ...       | 3          | 1       | ...    | ...     | ...     |
|        | 10. Integumentary system                | 79            | ...                  | 2       | 2              | 2           | 1         | 4           | 62                  | 3                                | 2             | 1         | 1            | 1         | 28         | 40      | 5      | 2       | 2       |
| vii    | 1. Accident or negligence               | 80            | 8                    | 2       | 1              | 1           | 7         | 2           | 41                  | 10                               | 4             | 4         | 3            | 3         | 36         | 19      | 10     | 2       | 7       |
|        | 2. Homicide                             | 19            | ...                  | ...     | ...            | ...         | 2         | ...         | 11                  | 2                                | ...           | 4         | ...          | ...       | 14         | 4       | 1      | ...     | ...     |
|        | 3. Suicide                              | 13            | 1                    | ...     | 1              | ...         | 1         | 2           | 3                   | 4                                | 1             | ...       | 1            | ...       | 8          | 1       | 1      | 1       | 1       |
|        | 4. Execution                            | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| viii   | 1. Ill-defined and not specified causes | 526           | 3                    | 9       | 28             | 36          | 72        | 42          | 179                 | 42                               | 67            | 48        | 7            | 28        | 25         | 117     | 88     | 18      | 17      |
|        | <i>Miasmatic Diseases.</i>              |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Small-pox                               | 7             | ...                  | ...     | ...            | 1           | ...       | 4           | ...                 | ...                              | 2             | ...       | ...          | ...       | 3          | ...     | 3      | 1       | ...     |
|        | Chicken-pox                             | 2             | ...                  | ...     | 1              | ...         | ...       | ...         | ...                 | ...                              | ...           | 1         | ...          | ...       | 1          | ...     | 1      | ...     | ...     |
|        | Measles                                 | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Whooping cough                          | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | 1                                | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
|        | Mumps                                   | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Diphtheria                              | 4             | ...                  | ...     | ...            | 1           | 1         | 1           | ...                 | ...                              | 1             | ...       | ...          | ...       | 2          | 1       | 1      | ...     | ...     |
|        | Cerebro-spinal fever                    | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Simple and Ill-defined fever            | 49            | ...                  | 1       | 1              | 5           | 3         | 3           | 6                   | 9                                | 16            | 5         | ...          | 3         | 19         | 9       | 9      | 8       | 1       |
|        | Enteric fever                           | 285           | ...                  | 2       | 13             | 20          | 52        | 14          | 92                  | 65                               | 14            | 13        | 10           | 23        | 162        | 32      | 42     | 7       | 9       |
|        | Suspected Enteric fever                 | 15            | ...                  | ...     | ...            | ...         | 6         | ...         | ...                 | 7                                | 2             | ...       | 1            | ...       | 10         | 1       | 3      | ...     | ...     |
|        | Influenza                               | 7             | ...                  | ...     | ...            | 6           | ...       | 1           | ...                 | ...                              | ...           | ...       | ...          | ...       | 2          | 4       | 1      | ...     | ...     |
|        | <i>Diarrhæal Diseases.</i>              |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Cholera                                 | 19            | ...                  | ...     | 1              | ...         | 7         | 5           | 1                   | 3                                | 2             | ...       | ...          | ...       | 5          | 8       | 5      | ...     | 1       |
|        | Diarrhœa                                | 502           | ...                  | 3       | 9              | 31          | 69        | 35          | 241                 | 57                               | 25            | 32        | 7            | 19        | 173        | 214     | 71     | 5       | 13      |
|        | Dysentery                               | 306           | ...                  | 7       | 13             | 33          | 50        | 21          | 141                 | 19                               | 12            | 10        | 8            | 17        | 102        | 116     | 41     | 8       | 14      |

## Causes of Deaths occurred in each Ward. &amp;c.—(Continued.)

| Class.                                      | CAUSES OF DEATH. | Colombo Town. | WARD.                |         |                |             |           |             |                     |                                  |               |           | NATIONALITY. |           |            |         |        |         |         |
|---------------------------------------------|------------------|---------------|----------------------|---------|----------------|-------------|-----------|-------------|---------------------|----------------------------------|---------------|-----------|--------------|-----------|------------|---------|--------|---------|---------|
|                                             |                  |               | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana exclusive of Hospitals. | Slave Island. | Colpetty. | Europeans.   | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|                                             |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| <i>Malarial Diseases.</i>                   |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Remittent fever                             | ...              | 108           | ...                  | 6       | 11             | 13          | 26        | 20          | 4                   | 13                               | 11            | 4         | 1            | 5         | 46         | 26      | 20     | 3       | 7       |
| Ague                                        | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | 1             | ...       | ...          | ...       | ...        | ...     | ...    | 1       | ...     |
| Malarial cachexia                           | ...              | 44            | ...                  | 3       | 4              | 3           | 1         | 1           | 29                  | 4                                | 2             | ...       | ...          | ...       | 18         | 18      | 5      | 2       | 1       |
| <i>Zoogenous Diseases.</i>                  |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Hydrophobia                                 | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | 1           | ...                 | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| <i>Veneral Diseases.</i>                    |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Syphilis                                    | ...              | 8             | ...                  | 1       | 1              | 1           | ...       | ...         | 4                   | 1                                | ...           | ...       | ...          | ...       | 5          | 1       | 1      | ...     | 1       |
| Gonorrhœa, stricture of Urethra             | ...              | 4             | ...                  | ...     | ...            | ...         | ...       | ...         | 3                   | ...                              | ...           | 1         | ...          | ...       | 3          | 1       | ...    | ...     | ...     |
| <i>Septic Diseases</i>                      |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Phagedæna                                   | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | 1                   | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | 1       | ...     |
| Erysipelas                                  | ...              | 12            | ...                  | ...     | 1              | 2           | 2         | 2           | 2                   | 2                                | 1             | ...       | ...          | 3         | 3          | 3       | 3      | ...     | ...     |
| Pyæmia septicæmia                           | ...              | 27            | ...                  | ...     | 1              | 3           | 3         | 4           | 5                   | 7                                | 2             | 2         | 2            | 2         | 11         | 2       | 6      | 3       | 1       |
| Puerperal fever                             | ...              | 23            | ...                  | ...     | 2              | 4           | 2         | 4           | 1                   | 3                                | 5             | 2         | ...          | ...       | 9          | 3       | 11     | ..      | ...     |
| <i>Parasitic Diseases</i>                   |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Thrush                                      | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | 1                                | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| Worms ( Animal )                            | ...              | 121           | ...                  | ...     | 9              | 5           | 31        | 11          | 5                   | 23                               | 23            | 14        | ...          | 5         | 85         | 9       | 16     | 3       | 3       |
| Dochmius duodenalis                         | ...              | 60            | ...                  | ...     | ...            | ...         | 1         | ...         | 58                  | ...                              | ...           | 1         | ...          | ...       | 26         | 32      | 2      | ...     | ...     |
| <i>Dietetic Diseases.</i>                   |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Starvation, want of breast milk             | ...              | 42            | ...                  | ...     | ...            | 1           | 22        | ...         | 6                   | 7                                | 5             | 1         | ...          | 1         | 19         | 12      | 8      | 1       | 1       |
| Chronic alcoholism                          | ...              | 3             | ...                  | ...     | ...            | 3           | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | 1          | 2       | ...    | ...     | ...     |
| Delirium tremens                            | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | 1                   | ...                              | ...           | ...       | 1            | ...       | ...        | ...     | ...    | ...     | ...     |
| <i>Constitutional Diseases.</i>             |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Rheumatism                                  | ...              | 6             | ...                  | ...     | ...            | ...         | 1         | 1           | 1                   | ...                              | ...           | 3         | ...          | ...       | 1          | 4       | 1      | ...     | ...     |
| Rickets                                     | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | 1             | ...       | ...          | ...       | ...        | ...     | 1      | ...     | ...     |
| Cancer                                      | ...              | 26            | ...                  | ...     | ...            | 2           | 1         | 2           | 10                  | 5                                | 2             | 4         | 1            | 5         | 8          | 7       | 3      | 1       | 1       |
| Tabes messenterica                          | ...              | 19            | ...                  | ...     | ...            | 2           | 2         | 2           | 4                   | 7                                | ...           | 2         | ...          | ...       | 12         | 2       | 4      | 1       | ...     |
| Tubercular meningitis                       | ...              | 25            | ...                  | ...     | 1              | 2           | 3         | 1           | 10                  | 6                                | ...           | 2         | 1            | 4         | 11         | 6       | 2      | 1       | ...     |
| Phthisis                                    | ...              | 706           | 3                    | 9       | 34             | 68          | 75        | 70          | 217                 | 123                              | 60            | 47        | 3            | 38        | 338        | 142     | 126    | 29      | 30      |
| Other forms of tuberculosis serofula        | ...              | 3             | ...                  | ...     | ...            | 1           | ...       | ...         | 1                   | ...                              | ...           | 1         | ...          | ...       | 3          | ...     | ...    | ...     | ...     |
| Purpura hæmorrhagic diathesis               | ...              | 2             | ...                  | ...     | ...            | ...         | ...       | ...         | 1                   | 1                                | ...           | ...       | ...          | 1         | 1          | ...     | ...    | ...     | ...     |
| Anæmia, chlorosis leucocy-thæmia            | ...              | 24            | ...                  | 2       | ...            | ...         | 4         | 2           | 1                   | 6                                | 6             | 3         | ...          | ...       | 12         | 6       | 4      | 1       | 1       |
| Diabetes mellitus                           | ...              | 14            | ...                  | ...     | 3              | ...         | 1         | 1           | 2                   | 3                                | 2             | 2         | ...          | 1         | 6          | 1       | 4      | 2       | ...     |
| Leprosy                                     | ...              | 2             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | 1                                | 1             | ...       | ...          | ...       | ...        | 1       | ...    | 1       | ...     |
| Elephantiasis                               | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | 1                   | ...                              | ...           | ...       | ...          | 1         | ...        | ...     | ...    | ...     | ...     |
| Parangi                                     | ...              | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Other and undefined constitutional diseases | ...              | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| <i>Developmental Diseases.</i>              |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Premature birth                             | ...              | 92            | ...                  | ...     | 3              | ...         | 25        | ...         | 36                  | 17                               | 7             | 4         | 1            | 11        | 53         | 16      | 8      | 3       | ...     |
| Spina bifida                                | ...              | 1             | ...                  | ...     | ...            | ...         | 1         | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| Imperforate anus                            | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | 1                   | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| Cleft palate                                | ...              | 1             | ...                  | ...     | ...            | ...         | ...       | ...         | 1                   | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | 1       |
| Other congenital defects                    | ...              | 1             | 1                    | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | 1         | ...        | ...     | ...    | ...     | ...     |
| Old age                                     | ...              | 269           | ...                  | 3       | 15             | 33          | 67        | 35          | 8                   | 40                               | 43            | 25        | ...          | 16        | 100        | 44      | 82     | 20      | 7       |
| <i>Nervous System.</i>                      |                  |               |                      |         |                |             |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Inflammation of the brain or its membranes  | ...              | 16            | ...                  | ...     | ...            | ...         | ...       | ...         | 13                  | 3                                | ...           | ...       | ...          | 1         | 11         | 2       | ...    | 1       | 1       |
| Softening of brain                          | ...              | 2             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | 2         | ...          | ...       | 2          | ...     | ...    | ...     | ...     |
| Apoplexy                                    | ...              | 21            | ...                  | 2       | 1              | 6           | 2         | 1           | 2                   | 3                                | 4             | ...       | ...          | ...       | 6          | 7       | 5      | 1       | 2       |
| Paralysis                                   | ...              | 49            | ...                  | ...     | ...            | 2           | 9         | 7           | 9                   | 13                               | 5             | 4         | ...          | 5         | 32         | 6       | 5      | ...     | 1       |
| Epilepsy                                    | ...              | 9             | ...                  | ...     | 1              | 2           | 1         | 1           | 1                   | 1                                | 1             | 1         | ...          | ...       | 2          | 3       | 4      | ..      | ...     |
| Convulsions                                 | ...              | 11            | ...                  | 1       | 1              | 2           | ...       | 1           | ...                 | 3                                | 1             | 2         | 1            | 1         | 3          | 1       | 4      | ...     | 1       |
| Infantile convulsions                       | ...              | 456           | ...                  | 4       | 27             | 74          | 66        | 73          | 9                   | 113                              | 49            | 41        | 1            | 14        | 230        | 86      | 92     | 22      | 11      |
| Laryngismus stridulus                       | ...              | ...           | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Collapse                                    | ...              | 1             | ...                  | ...     | ...            | ...         | 1         | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | 1       | ...    | ...     | ...     |
| Tetanus                                     | ...              | 170           | ...                  | 4       | 16             | 30          | 34        | 38          | 22                  | 8                                | 12            | 6         | ...          | 6         | 62         | 42      | 50     | 6       | 4       |
| Mania                                       | ...              | 2             | ...                  | ...     | ...            | ...         | ...       | ...         | ...                 | ...                              | ...           | 2         | ...          | ...       | 1          | 1       | ...    | ...     | ...     |
| Paraplegia disease of the spinal chord      | ...              | 2             | ...                  | ...     | ...            | ...         | 1         | ...         | 1                   | ..                               | ...           | ...       | ...          | ...       | 2          | ...     | ...    | ...     | ...     |
| Other undefined diseases of brain...        | ...              | 20            | ...                  | ...     | ...            | ...         | 1         | ...         | 6                   | 2                                | 1             | 10        | ...          | 2         | 15         | 3       | ...    | ...     | ...     |
| Other undefined diseases of nervous system  | ...              | 21            | ...                  | ...     | ...            | ...         | 1         | ...         | 5                   | 1                                | 1             | 13        | 1            | ...       | 11         | 4       | 4      | 1       | ...     |



## Causes of Deaths occurred in each Ward, &amp;c.—( Continued. )

| Class. | CAUSES OF DEATHS.                                           | Colombo Town. | WARD.                |         |                |            |           |             |                     |                                  |               |           | NATIONALITY. |           |            |         |        |         |         |
|--------|-------------------------------------------------------------|---------------|----------------------|---------|----------------|------------|-----------|-------------|---------------------|----------------------------------|---------------|-----------|--------------|-----------|------------|---------|--------|---------|---------|
|        |                                                             |               | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana exclusive of Hospitals. | Slave Island. | Colpetty. | Europeans.   | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|        | <i>Organs of special Sense.</i>                             |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Conjunctivitis and other diseases of the eye                | 2             | ...                  | ...     | ...            | ...        | ...       | ...         | 2                   | ...                              | ...           | ...       | ...          | ...       | 1          | 1       | ...    | ...     | ...     |
|        | Otitis and other diseases of the ear                        | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Epistaxis and other diseases of nose                        | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | <i>Circulatory System.</i>                                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Pericarditis                                                | 1             | ...                  | ...     | ...            | ...        | ...       | ...         | 1                   | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
|        | Morbus cordis (disease of heart)                            | 32            | 1                    | 1       | ...            | 1          | 5         | 3           | 7                   | 7                                | 4             | 3         | 2            | 4         | 14         | 7       | 3      | ...     | 2       |
|        | Valve disease of heart                                      | 6             | ...                  | 1       | ...            | ...        | 2         | ...         | 2                   | ...                              | ...           | 1         | ...          | 2         | 2          | 2       | ...    | ...     | ...     |
|        | Hypertrophy of heart                                        | 5             | ...                  | ...     | ...            | 1          | ...       | ...         | 2                   | 1                                | ...           | 1         | ...          | ...       | 3          | ...     | 2      | ...     | ...     |
|        | Angina pectoris syncope                                     | 6             | 1                    | 1       | ...            | 1          | ...       | ...         | 1                   | ...                              | ...           | 2         | 1            | 1         | 1          | 2       | 1      | ...     | ...     |
|        | Aneurism                                                    | 6             | 1                    | 1       | ...            | 1          | ...       | ...         | 1                   | ...                              | ...           | 2         | ...          | 1         | ...        | 2       | ...    | ...     | 3       |
|        | Embolism, thrombosis                                        | 3             | ...                  | ...     | ...            | ...        | ...       | ...         | 2                   | 1                                | ...           | ...       | ...          | ...       | 1          | 1       | 1      | ...     | ...     |
|        | Phlebitis                                                   | 2             | ...                  | ...     | 1              | ...        | 1         | ...         | ...                 | ...                              | ...           | ...       | ...          | 1         | 1          | ...     | ...    | ...     | ...     |
|        | Varicose veins                                              | 2             | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | 1             | 1         | ...          | ...       | 2          | ...     | ...    | ...     | ...     |
|        | Other and undefined diseases of heart or circulatory system | 104           | 1                    | ...     | 2              | 5          | 30        | ...         | 20                  | 24                               | 5             | 17        | 4            | 6         | 62         | 13      | 16     | 1       | 2       |
|        | <i>Respiratory System.</i>                                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Laryngitis                                                  | 8             | ...                  | ...     | 2              | 1          | 1         | ...         | 2                   | 1                                | 1             | ...       | ...          | ...       | 3          | 4       | 1      | ...     | ...     |
|        | Croup                                                       | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Bronchitis                                                  | 188           | ...                  | 3       | 10             | 38         | 29        | 33          | 17                  | 33                               | 20            | 5         | ...          | 6         | 78         | 43      | 51     | 6       | 4       |
|        | Asthma                                                      | 15            | ...                  | ...     | ...            | ...        | ...       | ...         | 11                  | 3                                | 1             | ...       | ...          | 1         | 10         | 2       | 1      | ...     | ...     |
|        | Pneumonia                                                   | 582           | 2                    | 2       | 33             | 70         | 94        | 49          | 145                 | 00                               | 43            | 24        | 2            | 27        | 239        | 167     | 105    | 15      | 27      |
|        | Pleurisy                                                    | 15            | ...                  | ...     | ...            | 1          | 2         | ...         | 12                  | ...                              | ...           | ...       | ...          | ...       | 5          | 7       | 2      | ...     | 1       |
|        | Other and undefined diseases of respiratory system          | 18            | 1                    | 1       | 2              | 4          | ...       | ...         | 9                   | 1                                | ...           | ...       | ...          | ...       | 8          | 5       | 3      | ...     | 2       |
|        | <i>Digestive System.</i>                                    |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Stomatitis                                                  | 13            | ...                  | ...     | 2              | 2          | 3         | 3           | ...                 | 1                                | 2             | ...       | ...          | ...       | 5          | 2       | 4      | 2       | ...     |
|        | Dentition                                                   | 1             | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | 1             | ...       | ...          | ...       | ...        | ...     | ...    | ...     | 1       |
|        | Quinsy                                                      | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Sore throat                                                 | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Dyspepsia                                                   | 5             | ...                  | ...     | ...            | ...        | 1         | ...         | ...                 | 3                                | 1             | ...       | ...          | ...       | ...        | 4       | 1      | ...     | ...     |
|        | Hæmatemesis                                                 | 1             | ...                  | ...     | ...            | ...        | 1         | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | 1       | ...    | ...     | ...     |
|        | Malæma                                                      | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Disease of Stomach                                          | 1             | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | 1         | ...          | ...       | ...        | ...     | 1      | ...     | ...     |
|        | Enteritis                                                   | 88            | ...                  | ...     | ...            | 8          | 23        | 2           | 31                  | 22                               | 2             | 1         | 2            | 6         | 54         | 12      | 12     | ...     | ...     |
|        | Ulceration of intestines                                    | 5             | ...                  | ...     | ...            | ...        | 1         | ...         | ...                 | 1                                | ...           | 3         | ...          | 1         | 1          | 2       | 1      | ...     | ...     |
|        | Ileus obstruction of intestines                             | 12            | ...                  | ...     | 2              | 1          | ...       | 1           | 4                   | 1                                | 1             | 2         | 2            | 1         | 4          | 1       | 3      | ...     | 1       |
|        | Debility                                                    | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Stricture or stangulation of intestine                      | 5             | ...                  | ...     | ...            | ...        | ...       | ...         | 4                   | ...                              | ...           | 1         | ...          | ...       | 4          | 1       | ...    | ...     | ...     |
|        | Intussusception of intestine                                | 2             | ...                  | ...     | ...            | ...        | ...       | ...         | 2                   | ...                              | ...           | ...       | ...          | ...       | 2          | ...     | ...    | ...     | ...     |
|        | Hernia                                                      | 11            | ...                  | ...     | 1              | 3          | ...       | ...         | 5                   | ...                              | 1             | 1         | ...          | ...       | 3          | 4       | 4      | ...     | ...     |
|        | Fistula                                                     | 2             | ...                  | ...     | ...            | ...        | ...       | ...         | 2                   | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | 1      | ...     | ...     |
|        | Peritonitis                                                 | 32            | ...                  | 2       | 2              | 2          | 3         | 7           | 12                  | 4                                | ...           | ...       | ...          | 4         | 15         | 5       | 5      | 2       | 1       |
|        | Ascites                                                     | 3             | ...                  | ...     | ...            | 1          | ...       | 1           | 1                   | 1                                | ...           | ...       | ...          | ...       | 1          | ...     | 2      | ...     | ...     |
|        | Gallstones                                                  | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Cirrhosis of liver                                          | 40            | 1                    | ...     | ...            | 1          | 1         | 1           | 31                  | 3                                | 1             | 1         | 2            | 2         | 23         | 6       | 5      | ...     | 2       |
|        | Other diseases of liver                                     | 14            | ...                  | ...     | ...            | ...        | 1         | 2           | 8                   | 1                                | ...           | 2         | 2            | 1         | 8          | 1       | 1      | 1       | ...     |
|        | Other and undefined diseases of digestive system            | 19            | ...                  | ...     | ...            | 3          | 3         | 1           | 5                   | 1                                | 2             | 4         | 1            | 3         | 9          | 5       | ...    | 1       | ...     |
|        | <i>Diseases of Lymphatic System and Ductless Glands.</i>    |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Diseases of the lymphatic system.                           | 5             | ...                  | ...     | ...            | ...        | 2         | 2           | 1                   | ...                              | ...           | ...       | ...          | ...       | 3          | ...     | 1      | 1       | ...     |
|        | Diseases of spleen                                          | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | <i>Diseases of Urinary System.</i>                          |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
|        | Nephritis                                                   | 32            | 1                    | 1       | 2              | 7          | 1         | 6           | 10                  | 4                                | ...           | ...       | 3            | ...       | 16         | 6       | 4      | 1       | 2       |
|        | Bright's disease                                            | 39            | ...                  | ...     | 1              | 8          | 1         | 3           | 22                  | 2                                | 1             | 1         | ...          | 2         | 17         | 13      | 6      | ...     | 1       |
|        | Uræmia                                                      | 4             | ...                  | ...     | ...            | ...        | ...       | ...         | 2                   | 1                                | 1             | ...       | ...          | ...       | 3          | ...     | 1      | ...     | ...     |
|        | Suppression of Urine                                        | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Calculus (stone)                                            | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Hæmaturia                                                   | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
|        | Diseases of Bladder                                         | 3             | ...                  | ...     | ...            | ...        | ...       | 1           | 1                   | ...                              | 1             | ...       | ...          | ...       | 2          | ...     | ...    | 1       | ...     |
|        | Other and undefined diseases of urinary system              | 8             | ...                  | ...     | ...            | ...        | 1         | ...         | 6                   | ...                              | 1             | ...       | ...          | 2         | 5          | 1       | ...    | ...     | ...     |

Causes of Deaths occurred in each Ward, &c.—( *Continued.* )

| Class.                                               | CAUSES OF DEATHS | Colombo Town. | WARD.                |         |                |            |           |             |                     |                                  |               |           | NATIONALITY. |           |            |         |        |         |         |
|------------------------------------------------------|------------------|---------------|----------------------|---------|----------------|------------|-----------|-------------|---------------------|----------------------------------|---------------|-----------|--------------|-----------|------------|---------|--------|---------|---------|
|                                                      |                  |               | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana exclusive of Hospitals. | Slave Island. | Colpetty. | Europeans.   | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|                                                      |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| <i>Diseases of Organs of Generation.</i>             |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Ovarian diseases                                     | ...              | 1             | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | 1             | ...       | ...          | ...       | ...        | ...     | ...    | 1       | ...     |
| Diseases of uterus and vagina                        | ...              | 14            | ...                  | ...     | 1              | ...        | 1         | 1           | 9                   | 1                                | 1             | ...       | 1            | 1         | 8          | 3       | 1      | ...     | ...     |
| Diseases of testes, penis, scrotum &c.               | ...              | 4             | ...                  | ...     | ..             | ...        | ...       | ...         | 3                   | ...                              | 1             | ...       | ...          | 1         | 2          | 1       | ...    | ...     | ...     |
| <i>Diseases of parturition.</i>                      |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Abortion or miscarriage                              | ...              | 4             | 1                    | ...     | ...            | ...        | 1         | 1           | 1                   | ...                              | ...           | ...       | 1            | ...       | 3          | ...     | ...    | ...     | ...     |
| Puerperal mania                                      | ...              | 1             | ...                  | ...     | ...            | ...        | 1         | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| Puerperal convulsions                                | ...              | 7             | ...                  | ..      | 1              | 2          | 1         | ...         | 1                   | 1                                | ...           | 1         | ...          | ...       | 2          | 4       | 1      | ...     | ...     |
| Placenta Prævia, flooding                            | ...              | 4             | ...                  | ...     | ...            | ...        | 2         | ...         | 2                   | ...                              | ...           | ...       | ...          | ...       | 2          | ...     | 2      | ...     | ...     |
| Other and undefined accidents of child-birth         | ...              | 23            | 1                    | 1       | 2              | 3          | 3         | 3           | 7                   | 2                                | ...           | 1         | 1            | 1         | 9          | 3       | 7      | 1       | 1       |
| <i>Diseases of Organs of Locomotion.</i>             |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Cies Necrosis                                        | ...              | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Arthritis Ostitis, periostitis                       | ...              | 3             | ...                  | ...     | ...            | ...        | ..        | ...         | 3                   | ...                              | ...           | ...       | ...          | ...       | 2          | 1       | ...    | ...     | ...     |
| Other and undefined diseases of organs of locomotion | ...              | 1             | ...                  | ...     | ...            | ...        | ...       | ...         | 1                   | ...                              | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| <i>Diseases of Integumentary System.</i>             |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Carbuncle                                            | ...              | 7             | ...                  | ...     | ...            | 1          | 1         | 2           | 2                   | 1                                | ...           | ...       | 1            | ...       | 1          | 2       | 2      | 1       | ...     |
| Phlegmon, Cellulitis                                 | ...              | 11            | ...                  | 1       | 2              | ...        | ...       | 2           | 6                   | ...                              | ...           | ...       | ...          | ...       | 7          | 2       | 2      | ...     | ...     |
| Lupus                                                | ...              | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Ulcer, bed sore                                      | ...              | 56            | ...                  | ...     | ...            | 1          | ...       | ...         | 53                  | 1                                | 1             | ...       | ...          | 1         | 18         | 34      | ...    | 1       | 2       |
| Eczema                                               | ...              | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Pemphigus                                            | ...              | 4             | ...                  | 1       | ...            | ...        | ...       | ...         | 1                   | 1                                | 1             | ...       | ...          | ...       | 1          | 2       | 1      | ...     | ...     |
| Other and undefined diseases of integumentary system | ...              | 1             | ...                  | .       | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | 1         | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| <i>Accident or Negligence.</i>                       |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Fractures, contusions                                | ...              | 29            | 2                    | ...     | ...            | ...        | 1         | ...         | 18                  | 6                                | 1             | 1         | ...          | 1         | 14         | 9       | 3      | ...     | 2       |
| Gun shot wounds                                      | ...              | 3             | ...                  | ...     | ...            | ...        | ...       | ...         | 2                   | ...                              | ...           | 1         | 1            | ...       | 2          | ...     | ...    | ...     | ...     |
| Cut, stab                                            | ...              | ...           | ...                  | ...     | ...            | ...        | ..        | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Burn, scald                                          | ...              | 14            | ...                  | ...     | ...            | ...        | 2         | 1           | 7                   | 1                                | 2             | 1         | ...          | 2         | 8          | 2       | 1      | ...     | 1       |
| Poison                                               | ...              | 2             | ...                  | ...     | ...            | ...        | ..        | ...         | 2                   | ...                              | ...           | ...       | ...          | ...       | 1          | 1       | ...    | ...     | ...     |
| Drowning                                             | ...              | 9             | 4                    | 1       | ...            | 1          | 1         | ...         | ...                 | ...                              | 1             | 1         | 1            | ...       | 2          | 1       | 2      | 2       | 1       |
| Suffocation                                          | ...              | 3             | 2                    | ...     | ...            | ...        | 1         | ...         | ...                 | ...                              | ...           | ..        | ...          | ...       | ...        | 1       | 2      | ...     | ...     |
| Otherwise                                            | ...              | 20            | ...                  | 1       | 1              | ...        | 2         | 1           | 12                  | 3                                | ...           | ...       | 1            | ...       | 9          | 5       | 2      | ...     | 3       |
| <i>Homicide.</i>                                     |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Murder, Manslaughter                                 | ...              | 19            | ...                  | ...     | ...            | ...        | 2         | ...         | 11                  | 2                                | ...           | 4         | ...          | ...       | 14         | 4       | 1      | ...     | ...     |
| <i>Suicide.</i>                                      |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Gun shot wounds                                      | ...              | 1             | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | 1                                | ...           | ...       | ...          | ...       | 1          | ...     | ...    | ...     | ...     |
| Cut, stab                                            | ...              | 3             | ...                  | ...     | ...            | ...        | 1         | 1           | ...                 | 1                                | ...           | ...       | ...          | ...       | 3          | ...     | ...    | ...     | ...     |
| Poison                                               | ...              | 4             | ...                  | ...     | ...            | ...        | ...       | ...         | 3                   | ...                              | ...           | ...       | 1            | ...       | 3          | ...     | ...    | ...     | ...     |
| Drowning                                             | ...              | 1             | 1                    | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | 1       | ...    | ...     | ...     |
| Hanging                                              | ...              | 4             | ...                  | ...     | 1              | ...        | ...       | 1           | ...                 | 1                                | 1             | ...       | ...          | ...       | 1          | ...     | 1      | 1       | 1       |
| Otherwise                                            | ...              | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| <i>Execution.</i>                                    |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| Hanging                                              | ...              | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| <i>Ill-defined and not specified causes.</i>         |                  |               |                      |         |                |            |           |             |                     |                                  |               |           |              |           |            |         |        |         |         |
| General Dropsy                                       | ...              | 62            | ...                  | ...     | 1              | 6          | 26        | 7           | 1                   | 9                                | 7             | 5         | ...          | ...       | 32         | 10      | 16     | 1       | 3       |
| Debility                                             | ...              | 369           | 1                    | 8       | 25             | 29         | 26        | 32          | 138                 | 24                               | 50            | 36        | 2            | 21        | 170        | 84      | 67     | 16      | 9       |
| Sudden deaths (causes unascertained)                 | ...              | ...           | ...                  | ...     | ...            | ...        | ...       | ...         | ...                 | ...                              | ...           | ...       | ...          | ...       | ...        | ...     | ...    | ...     | ...     |
| Abscess                                              | ...              | 35            | 1                    | 1       | ...            | ...        | 5         | 1           | 21                  | ...                              | 4             | 2         | 2            | 1         | 14         | 14      | 2      | ...     | 2       |
| Tumour                                               | ...              | 11            | ...                  | ...     | ...            | ...        | 1         | ...         | 8                   | 2                                | ...           | ...       | ...          | 1         | 7          | 3       | ...    | ...     | ...     |
| Hæmorrhage                                           | ...              | 18            | 1                    | ...     | 1              | 1          | 7         | ...         | ...                 | 4                                | 1             | 3         | 1            | 3         | 11         | 1       | 1      | ...     | 1       |
| Other ill-defined and not specified causes           | ...              | 31            | ...                  | ...     | 1              | ...        | 7         | 2           | 11                  | 3                                | 5             | 2         | 2            | 2         | 17         | 5       | 2      | 1       | 2       |



TABLE XLVIII. (b)

Births and deaths and their rates in each Ward of the Colombo Municipality, with the principal causes of deaths, 1907.

| WARD.                | Population estimated to the middle of 1907. | BIRTHS       |       |                          |           | DEATHS           |                          |         |       |        |        |         |           |           |        |            |                           | Infant mortality.       |                         | Birth rate per mille per annum. |          |          | Death-rate per mile per annum. |         |                          |                            |     |     |     |     |     |    |    |     |      |      |      |      |      |      |      |      |
|----------------------|---------------------------------------------|--------------|-------|--------------------------|-----------|------------------|--------------------------|---------|-------|--------|--------|---------|-----------|-----------|--------|------------|---------------------------|-------------------------|-------------------------|---------------------------------|----------|----------|--------------------------------|---------|--------------------------|----------------------------|-----|-----|-----|-----|-----|----|----|-----|------|------|------|------|------|------|------|------|
|                      |                                             | Total Births |       | Nationality              |           | Principal Causes |                          |         |       |        |        |         |           |           |        |            |                           |                         |                         |                                 |          |          |                                |         |                          |                            |     |     |     |     |     |    |    |     |      |      |      |      |      |      |      |      |
|                      |                                             | Nationality  |       | Total Deaths             |           | Nationality      |                          |         |       |        |        |         |           | Violence. |        |            |                           |                         |                         |                                 |          |          |                                |         |                          |                            |     |     |     |     |     |    |    |     |      |      |      |      |      |      |      |      |
|                      |                                             | Persons      | Males | Females                  | Europeans | Burghers         | Sinhalese                | Tamilis | Moors | Malays | Others | Cholera | Small-pox | Measles   | Fevers | Phtisicis. | Pneumonia and Bronchitis. | Diarrhoea and Dysentery | Infertile Convolutions. | Tetanus.                        | Old age. | Accident | Homicide                       | Suicide | Children under one year. | Proportion to 1,000 births |     |     |     |     |     |    |    |     |      |      |      |      |      |      |      |      |
|                      |                                             | 1906.        | 1907. | Average of 1906 to 1907. | 1906.     | 1907.            | Average of 1906 to 1907. |         |       |        |        |         |           |           |        |            |                           |                         |                         |                                 |          |          |                                |         |                          |                            |     |     |     |     |     |    |    |     |      |      |      |      |      |      |      |      |
| COLOMBO TOWN ...     | 176724                                      | 4280         | 2179  | 2101                     | 94        | 375              | 2380                     | 547     | 653   | 161    | 70     | 5747    | 3305      | 2442      | 75     | 291        | 2603                      | 1395                    | 1002                    | 189                             | 192      | 19       | 7                              | —       | 458                      | 706                        | 770 | 808 | 456 | 170 | 269 | 80 | 19 | 13  | 1300 | 304  | 22.2 | 27.3 | 24.2 | 34.6 | 39.8 | 32.5 |
| Fort and Galle Face  | 2285                                        | 10           | 4     | 6                        | 10        | —                | —                        | —       | —     | —      | —      | 27      | 24        | 3         | 7      | 2          | 1                         | 4                       | 4                       | 1                               | 8        | —        | —                              | —       | —                        | 3                          | 2   | —   | —   | —   | —   | —  | 8  | 1   | 100  | 4.0  | 5.6  | 4.3  | 15.0 | 23.6 | 11.8 |      |
| Pettah               | 7561                                        | 47           | 24    | 23                       | —         | 5                | 30                       | 9       | 2     | —      | 1      | 94      | 63        | 31        | —      | 7          | 7                         | 40                      | 14                      | 1                               | 3        | —        | —                              | —       | —                        | 9                          | 9   | 24  | 10  | 4   | 4   | 3  | 2  | —   | 14   | 8.0  | 6.2  | 14.3 | 16.4 | 12.4 |      |      |
| San Sebastian        | 10303                                       | 215          | 113   | 102                      | 3         | 12               | 73                       | 8       | 107   | 8      | 4      | 262     | 135       | 127       | 2      | 6          | 66                        | 38                      | 138                     | 5                               | 7        | —        | —                              | —       | —                        | 25                         | 34  | 43  | 22  | 27  | 16  | 15 | 1  | —   | 79   | 20.0 | 22.7 | 20.7 | 25.0 | 27.5 | 25.3 |      |
| St. Paul's           | 23104                                       | 383          | 199   | 184                      | 1         | 18               | 112                      | 161     | 76    | 3      | 12     | 559     | 292       | 267       | 1      | 16         | 137                       | 251                     | 128                     | 3                               | 23       | —        | 1                              | —       | —                        | 38                         | 68  | 108 | 64  | 74  | 30  | 33 | 1  | —   | 165  | 17.2 | 19.2 | 16.5 | 25.4 | 22.6 | 24.1 |      |
| Kotehena             | 37083                                       | 795          | 405   | 390                      | 3         | 68               | 563                      | 99      | 52    | 10     | —      | 869     | 436       | 433       | 4      | 46         | 565                       | 142                     | 94                      | 6                               | 12       | 7        | —                              | —       | 87                       | 75                         | 123 | 119 | 66  | 34  | 67  | 7  | 2  | —   | 230  | 19.0 | 25.1 | 21.3 | 28.0 | 27.6 | 23.3 |      |
| New Bazaar           | 19536                                       | 446          | 228   | 218                      | 3         | 29               | 204                      | 37      | 156   | 11     | 6      | 530     | 288       | 242       | —      | 30         | 203                       | 65                      | 188                     | 18                              | 26       | 5        | 4                              | —       | 37                       | 70                         | 82  | 56  | 73  | 38  | 35  | 2  | —  | 179 | 24.3 | 27.0 | 30.5 | 29.7 | 27.0 |      |      |      |
| Maradana (Hospitals) | 732                                         | 372          | 360   | 360                      | 5         | 58               | 594                      | 62      | 9     | 1      | 3      | 1665    | 1159      | 506       | 36     | 68         | 853                       | 568                     | 77                      | 6                               | 57       | 1        | —                              | —       | 102                      | 217                        | 161 | 382 | 9   | 22  | 8   | 41 | 11 | 3   | 149  | 20.4 | —    | —    | —    | —    | —    |      |
| do Exclusive of do)  | 35468                                       | 803          | 407   | 396                      | 17        | 104              | 413                      | 60      | 157   | 38     | 14     | 863     | 459       | 404       | 9      | 58         | 394                       | 122                     | 220                     | 38                              | 22       | 3        | —                              | —       | 94                       | 123                        | 135 | 76  | 113 | 8   | 40  | 10 | 2  | —   | 238  | 22.8 | 25.9 | 22.5 | 26.9 | 29.9 | 24.2 |      |
| Slave Island         | 19311                                       | 474          | 247   | 227                      | 11        | 24               | 193                      | 69      | 72    | 83     | 22     | 487     | 251       | 236       | 3      | 20         | 138                       | 84                      | 105                     | 106                             | 31       | 2        | —                              | —       | 44                       | 60                         | 63  | 37  | 43  | 12  | 43  | 4  | —  | 154 | 23.9 | 30.3 | 24.4 | 29.3 | 30.5 | 25.1 |      |      |
| Kollupitiya          | 22073                                       | 375          | 180   | 195                      | 41        | 57               | 198                      | 42      | 22    | 7      | 8      | 391     | 198       | 193       | 13     | 38         | 217                       | 81                      | 34                      | 5                               | 3        | —        | —                              | —       | —                        | 22                         | 47  | 29  | 42  | 41  | 6   | 25 | 4  | 4   | —    | 94   | 17.5 | 18.7 | 16.9 | 19.2 | 21.7 | 17.6 |

\* This is the population enumerated at the Census of 1901, and the rates for the two Wards are calculated on these figures until the next Census.

TABLE XLVIII. (c)

Births and Deaths and their rates, for each Race in the Town of Colombo for 1906 and 1907 and the averages for 1900 to 1906.

| RACE.     |     | Population Estimated to<br>the middle of 1907. | Births.               |       |       | Deaths.               |       |       | Birth-rate<br>per Mille. |       |       | Death-rate<br>per Mille. |       |       |
|-----------|-----|------------------------------------------------|-----------------------|-------|-------|-----------------------|-------|-------|--------------------------|-------|-------|--------------------------|-------|-------|
|           |     |                                                | Average<br>1900—1906. | 1906. | 1907. | Average<br>1900—1906. | 1906. | 1907. | Average.<br>1900—1906.   | 1906. | 1907. | Average<br>1900—1906.    | 1906. | 1907. |
| All races | ... | 176724                                         | 3736                  | 4726  | 4280  | 5668                  | 6890  | 5747  | 22·2                     | 27·3  | 24·2  | 34·6                     | 39·8  | 32·5  |
| Europeans | ... | 2,945                                          | 82                    | 80    | 94    | 85                    | 103   | 75    | 28·7                     | 27·5  | 31·7  | 29·7                     | 35·4  | 25·3  |
| Burghers  | ... | 12,610                                         | 385                   | 457   | 375   | 323                   | 370   | 291   | 31·6                     | 36·4  | 29·6  | 26·9                     | 29·5  | 23·0  |
| Sinhalese | ... | 74,591                                         | 2029                  | 2584  | 2380  | 2612                  | 3244  | 2603  | 28·5                     | 34·9  | 31·7  | 36·7                     | 43·8  | 34·7  |
| Tamils    | ... | 43,051                                         | 446                   | 610   | 547   | 1342                  | 1728  | 1395  | 11·8                     | 14·6  | 12·6  | 35·7                     | 41·4  | 32·2  |
| Moors     | ... | 31,968                                         | 608                   | 744   | 653   | 962                   | 1031  | 1002  | 20·2                     | 23·5  | 20·3  | 32·0                     | 32·6  | 31·2  |
| Malays    | ... | 5,299                                          | 128                   | 166   | 161   | 168                   | 175   | 189   | 26·8                     | 32·0  | 30·2  | 35·3                     | 33·8  | 35·5  |
| Others    | ..  | 6,260                                          | 58                    | 85    | 70    | 176                   | 239   | 192   | 10·9                     | 14·2  | 11·4  | 33·1                     | 40·0  | 30·5  |



TABLE XLIX.  
Details of Prosecutions by Ward Inspectors.

| Nature of Offence.                                        | Fort | Pettah | St. Sebastian | St. Paul's | Kotahena | New Bazaar | Maradana | Slave Island | Colpetty | Total. |
|-----------------------------------------------------------|------|--------|---------------|------------|----------|------------|----------|--------------|----------|--------|
| Filthy premises ...                                       | 4    | 317    | 298           | 281        | 398      | 284        | 291      | 288          | 240      | 2401   |
| Filthy space and drain ...                                | —    | 50     | 3             | 32         | 48       | 12         | 1        | 10           | 12       | 168    |
| Foul privies ...                                          | —    | 188    | 88            | 24         | 15       | 67         | 39       | 11           | 6        | 438    |
| Meglect to provide privy accomodation. ...                | —    | —      | —             | —          | 7        | 1          | 2        | 2            | 7        | 19     |
| Allowing urine, &c., to flow into public drain ...        | —    | 1      | —             | 5          | 2        | —          | —        | —            | —        | 8      |
| Exposing food to dust and flies ...                       | 59   | 91     | 63            | 146        | 41       | 83         | 115      | 48           | 58       | 704    |
| Unlicensed bakery ...                                     | 1    | 3      | 2             | 7          | 3        | 5          | 13       | 7            | 2        | 43     |
| Cattle nuisance ...                                       | 2    | 11     | 2             | 17         | 13       | 89         | 23       | 37           | 4        | 198    |
| Sale of unwholesome food ...                              | —    | 11     | 4             | 1          | —        | 4          | —        | 2            | 4        | 26     |
| Obstruction of passage to public market ...               | —    | 24     | 15            | 1          | —        | —          | —        | 6            | —        | 46     |
| Depositing rubbish on roadside and drain ...              | —    | 9      | 3             | 6          | 8        | —          | 18       | —            | 3        | 47     |
| Unlicensed manure dpôt ...                                | —    | 1      | —             | —          | —        | —          | 3        | —            | —        | 4      |
| Default of payment of limewashing bill ...                | —    | 6      | 2             | 14         | 9        | 10         | 11       | 3            | —        | 55     |
| Vending milk without a card ...                           | —    | 6      | —             | 7          | 1        | 7          | 1        | —            | 2        | 24     |
| Unregistered laundry ...                                  | —    | 14     | 7             | —          | 10       | 11         | 2        | 3            | 16       | 63     |
| Goat nuisance ...                                         | —    | 2      | —             | —          | 2        | —          | —        | —            | —        | 4      |
| Unregistered eating house ...                             | —    | 19     | 2             | 14         | 5        | 8          | 11       | —            | 1        | 60     |
| Storing hides without license ...                         | —    | 34     | —             | —          | —        | —          | —        | —            | —        | 34     |
| Sale of adulterated milk ...                              | 1    | 4      | —             | 4          | 11       | 1          | 5        | 1            | 2        | 29     |
| Tying bulls on road side ...                              | —    | 1      | —             | —          | —        | —          | —        | —            | —        | 1      |
| Putrid pearl oysters in public market. ...                | —    | 1      | —             | —          | —        | —          | —        | —            | —        | 1      |
| Nuisance by storage of maldive fish... ..                 | —    | 3      | —             | —          | —        | —          | —        | —            | —        | 3      |
| Unlicensed cattle shed ...                                | —    | —      | 2             | 12         | 13       | 29         | 18       | 10           | 2        | 86     |
| Storing in milk in unsuitable places. ...                 | —    | —      | 1             | —          | —        | —          | —        | —            | —        | 1      |
| Exposing rotton fruits for sale ...                       | —    | —      | 2             | —          | —        | —          | —        | —            | —        | 2      |
| Digging pits without permission ...                       | —    | —      | 1             | —          | 1        | —          | 1        | —            | —        | 3      |
| Throwing rubbish in markets ...                           | —    | —      | 8             | —          | —        | —          | —        | —            | —        | 8      |
| Boiling of offal ...                                      | —    | —      | 2             | —          | —        | —          | —        | —            | —        | 2      |
| Unlicensed timber depôt ...                               | —    | 1      | 1             | —          | 1        | —          | 3        | 2            | —        | 8      |
| Neglect to fill up well after notice ...                  | —    | 1      | 5             | 11         | 7        | 5          | 25       | 3            | —        | 57     |
| Filthy stall ...                                          | —    | —      | 14            | 3          | —        | 17         | 19       | 17           | 1        | 71     |
| Filthy public bathing tubs ...                            | —    | —      | 7             | —          | 4        | 14         | 1        | 1            | 2        | 29     |
| Exposing privy to public view ...                         | —    | —      | 1             | —          | —        | —          | —        | —            | —        | 1      |
| Filthy eating house ...                                   | —    | —      | —             | 12         | 2        | —          | 6        | 52           | 4        | 76     |
| Pool of stagnant water ...                                | —    | —      | —             | 4          | —        | —          | 1        | —            | —        | 5      |
| Unlicensed soap manufactory ...                           | —    | —      | —             | 1          | —        | 4          | —        | —            | —        | 5      |
| Unregistered dairy ...                                    | —    | —      | —             | 1          | 3        | 4          | —        | 3            | 4        | 15     |
| Filthy bakery ...                                         | —    | —      | —             | 4          | 3        | 12         | 2        | 3            | 3        | 27     |
| Filthy dairy ...                                          | —    | —      | —             | 1          | —        | 5          | —        | 6            | —        | 12     |
| Burial of Night-soil ...                                  | —    | 2      | —             | 1          | 1        | 3          | 1        | —            | —        | 8      |
| Swine nuisance ...                                        | —    | —      | —             | —          | 28       | —          | —        | —            | —        | 28     |
| Exposing goods outside line of stall... ..                | —    | —      | —             | —          | —        | —          | 19       | 6            | —        | 25     |
| Child committing nuisance ...                             | —    | 1      | —             | 2          | —        | —          | 2        | 1            | —        | 6      |
| Neglect to report cases of infectious diseases ...        | —    | —      | —             | 1          | 4        | 2          | 3        | 5            | 1        | 16     |
| Overcrowding ...                                          | —    | 11     | —             | 2          | 1        | —          | —        | 7            | —        | 21     |
| Resistance to a public officer ...                        | —    | —      | 1             | 1          | —        | 2          | —        | 1            | —        | 5      |
| Slaughter of animals without license... ..                | —    | —      | —             | 1          | —        | 1          | —        | —            | —        | 2      |
| Unlicensed fish stall ...                                 | —    | —      | —             | —          | —        | 5          | —        | —            | 1        | 6      |
| Neglect to cement floor of eating houses ...              | —    | 12     | 1             | 4          | 3        | 8          | 15       | —            | 2        | 45     |
| Polluting public market ...                               | —    | 1      | —             | —          | —        | —          | —        | —            | —        | 1      |
| Bakery used for other purposes ..                         | —    | 2      | —             | 1          | —        | —          | 2        | —            | —        | 5      |
| Unlicensed cotton depôt ...                               | —    | 1      | —             | 1          | —        | —          | —        | —            | —        | 2      |
| Employing unclean workmen in bakery ...                   | —    | —      | 3             | —          | 3        | —          | 1        | —            | —        | 7      |
| Storing offensive copra ...                               | —    | —      | 1             | —          | —        | —          | —        | —            | —        | 1      |
| Loathsome disease in eating houses ...                    | —    | —      | —             | 3          | —        | —          | —        | —            | —        | 3      |
| Stalling in verandah ...                                  | —    | —      | —             | 2          | —        | —          | —        | —            | —        | 2      |
| Unregistered goat pen ...                                 | —    | —      | —             | 14         | —        | —          | —        | —            | —        | 14     |
| Foul well ...                                             | —    | —      | —             | 2          | —        | —          | —        | —            | —        | 2      |
| Uncemented floor of bakery ...                            | —    | —      | —             | 1          | 1        | —          | —        | —            | —        | 2      |
| Unlicensed straw depôt ...                                | —    | —      | —             | —          | 1        | —          | —        | —            | —        | 1      |
| Not cementing surroundings of public bathing places ...   | —    | —      | —             | —          | 1        | —          | —        | —            | —        | 1      |
| Neglect to improve insanitary buildings, after notice ... | —    | 1      | —             | —          | —        | —          | —        | —            | —        | 1      |
| Unlicensed firewood depôt ...                             | —    | 1      | —             | 2          | —        | —          | 1        | —            | —        | 4      |
| Workmen with loathsome diseases in bakery ...             | —    | —      | 1             | —          | —        | —          | —        | —            | —        | 1      |
| Not disinfecting a house of enteric ...                   | —    | —      | —             | 1          | —        | —          | —        | —            | —        | 1      |
| Eating house near public latrine ...                      | —    | —      | —             | 1          | —        | —          | —        | —            | —        | 1      |
| Unlicensed laundrymen ...                                 | —    | —      | —             | —          | 6        | —          | —        | —            | —        | 6      |
| Neglect to improve surroundings of bakery ...             | —    | —      | —             | —          | 3        | —          | —        | —            | —        | 3      |
| Unregistered dairymen ...                                 | —    | —      | —             | —          | 1        | —          | 1        | —            | —        | 2      |
| Unregistered milk vendor ...                              | 1    | —      | —             | —          | —        | —          | —        | —            | —        | 1      |
| Total ...                                                 | 68   | 830    | 540           | 648        | 660      | 693        | 666      | 535          | 377      | 5017   |

TABLE L.

Complaints and fines imposed during the year 1907.

NATURE OF OFFENCE.

| MONTH.              | Depôt. | Miscellaneous. | Lids or parts of carts left open whilst at work | Public latrines. | Non reporting of vacations. | Coolies without badges. | Neglect to conserve. | Neglect to clean buckets. | Neglect to supply Coir-dust. | Neglect of Day cooly. | Neglect of Special cooly. | Neglect to return Cart chits. | Late arrival of Carts at Depôt. | Amount.<br>Rs. c. |
|---------------------|--------|----------------|-------------------------------------------------|------------------|-----------------------------|-------------------------|----------------------|---------------------------|------------------------------|-----------------------|---------------------------|-------------------------------|---------------------------------|-------------------|
| January ...         | —      | 23             | 13                                              | 17               | —                           | —                       | 25                   | 25                        | 14                           | 2                     | 1                         | —                             | —                               | 44· 0             |
| February...         | —      | 44             | 9                                               | 25               | —                           | 3                       | 104                  | 9                         | 56                           | 6                     | —                         | 3                             | 1                               | 92·75             |
| March ...           | 1      | 51             | 12                                              | —                | —                           | 3                       | 89                   | 195                       | 86                           | 3                     | 1                         | —                             | —                               | 118·30            |
| April ...           | 9      | 79             | 26                                              | 66               | 12                          | 10                      | 378                  | 615                       | 153                          | 56                    | 4                         | 1                             | —                               | 450·88            |
| May ...             | 4      | 66             | 8                                               | 24               | 14                          | 8                       | 182                  | 172                       | 66                           | 22                    | —                         | —                             | —                               | 177·92            |
| June ...            | —      | 23             | 5                                               | 34               | 6                           | 6                       | 222                  | 82                        | 83                           | 40                    | —                         | —                             | —                               | 166·28            |
| <i>New Contract</i> |        |                |                                                 |                  |                             |                         |                      |                           |                              |                       |                           |                               |                                 |                   |
| July ...            | 27     | 44             | 18                                              | 32               | —                           | 2                       | 101                  | 198                       | 116                          | 16                    | 1                         | 17                            | 31                              | 192·96            |
| August ...          | 6      | 55             | 15                                              | 27               | 1                           | —                       | 73                   | 150                       | 80                           | 13                    | 1                         | 15                            | 24                              | 147·20            |
| September           | —      | 17             | —                                               | 8                | 1                           | —                       | 54                   | 68                        | 71                           | 5                     | —                         | 5                             | 10                              | 76·48             |
| October ...         | 1      | 24             | 14                                              | 14               | 7                           | —                       | 80                   | 53                        | 66                           | 10                    | —                         | —                             | —                               | 86· 8             |
| November            | —      | 32             | 13                                              | 23               | 3                           | —                       | 79                   | 52                        | 46                           | 5                     | 2                         | 3                             | —                               | 82·56             |
| December            | 16     | 21             | 7                                               | 12               | 4                           | —                       | 62                   | 27                        | 34                           | 3                     | —                         | —                             | 6                               | 61·44             |
| Total ...           | 64     | 479            | 143                                             | 282              | 38                          | 32                      | 1449                 | 1646                      | 871                          | 181                   | 10                        | 44                            | 72                              | 1696·85           |



TABLE LI. (a)

## Conservancy Branch, Revenue and Expenditure in 1907.

| Division. | *Total amount collected. |    | † Total amount due. |    | Buckets daily conserved in Private Premises. | Buckets daily conserved in Public Latrines. | Cesspits cleared.          |                         |
|-----------|--------------------------|----|---------------------|----|----------------------------------------------|---------------------------------------------|----------------------------|-------------------------|
|           | Rs.                      | c. | Rs.                 | c. |                                              |                                             | By Conservancy Contractor. | By Private Contractors. |
| I. ...    | 30,723                   | 80 | 33,330              | 20 | 1,486                                        | —                                           | 8                          | 6                       |
| II. ...   | 37,191                   | 10 | 39,568              | 12 | 1,844                                        | ‡57                                         | 37                         | 20                      |
| III. ...  | 45,819                   | 0  | 49,458              | 0  | 2,613                                        | ¶111                                        | 100                        | 66                      |
| IV. ...   | 45,779                   | 50 | 50,239              | 0  | 2,876                                        | 120                                         | 51                         | 69                      |
| Total ... | 159,513                  | 40 | 172,595             | 32 | 8,819                                        | 288                                         | 196                        | 161                     |

\* Includes arrears of previous years and advance payments.

† Represents amounts due for the year under reference.

‡ 13 Standard Buckets.

¶ 5 Standard Buckets.

*Amounts paid to Contractor.*

|                                                |       |                |
|------------------------------------------------|-------|----------------|
| (a) Bulls and Conservancy of Dry-earth closets | ..... | Rs. 104,463·57 |
| (b) On account of clearing Cess-pits privies   | ..... | Rs. 3,682·72   |
| Total                                          | ..... | Rs. 109,141·23 |

Fines imposed by Chairman on Contractor Rs. 1,696·85.

TABLE LI. (b)

## Conservancy Receipts and Expenditure.

| <i>Receipts.</i>                              |     | Rs.     | c. | <i>Expenditure.</i>                                                        |     | Rs.     | c. |
|-----------------------------------------------|-----|---------|----|----------------------------------------------------------------------------|-----|---------|----|
| 52 By recoveries for conserving latrines      | ... | 159,513 | 40 | To vote No. 109 Salaries, wages, allowances, &c.                           | ... | 17,504  | 40 |
| 53 By buckets sold                            | ... | 256     | 0  | 110 Conservancy of dry-earth closets                                       | ... | 64,348  | 2  |
| 54 By disinfectants sold                      | ... | 1,008   | 96 | 111 Supply of coir dust                                                    | ... | 6,384   | 13 |
| 55 By clearing cesspit privies                | ... | 853     | 25 | 112 Stationery, &c.                                                        | ... | 418     | 97 |
| 56 By lease of grass land at night-soil Depôt | ... | 4,960   | 0  | 113 Refunds                                                                | ... | 563     | 53 |
|                                               |     |         |    | 114 Hire of Bulls                                                          | ... | 40,397  | 29 |
|                                               |     |         |    | 115 Construction and repair of Night-soil carts                            | ... | 9,991   | 94 |
|                                               |     |         |    | 116 Miscellaneous                                                          | ... | 634     | 18 |
|                                               |     |         |    | 117 Post card reminders and postage                                        | ... | 270     | 0  |
|                                               |     |         |    | 118 Supervisors Uniforms, &c.                                              | ... | 685     | 50 |
|                                               |     |         |    | 119 Cost of disinfectants                                                  | ... | 1,136   | 79 |
|                                               |     |         |    | 120 Repairs of buildings, (carts and cattle sheds)                         | ... | 904     | 16 |
|                                               |     |         |    | 121 Repairs and maintenance of roads                                       | ... |         |    |
|                                               |     |         |    | Night-soil Depôt                                                           | ... | 3,406   | 28 |
|                                               |     |         |    | 122 Rent of Night-soil Depôt, Naharanpitiya                                | ... | 1,638   | 0  |
|                                               |     |         |    | 123 Septic Tanks                                                           | ... | 424     | 8  |
|                                               |     |         |    | 124 Metalling, Naharanpitiya Road                                          | ... | 2,560   | 60 |
|                                               |     |         |    | 125 Construction of new buckets and sale of standard buckets from stock... | ... | 951     | 45 |
| Total                                         | ... | 166,591 | 61 | Total                                                                      | ... | 152,219 | 32 |

TABLE LII. (a)

Changes in the personnel of the staff ( Sanitation Branch ) Public Health  
Department, during the year, 1907.

| Name.             |     | Post.                   | Appointment,<br>promotion,<br>transfer, dis-<br>missar or<br>resignation. | Date.         | Remarks.  |                                                                                                                               |
|-------------------|-----|-------------------------|---------------------------------------------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------------------------------------------------|
| W. La Brooy       | ... | Typist                  | ...                                                                       | Transfer ...  | March 28, | To Conservancy Branch, <i>vice</i> S. P. Fernando, who was transferred from Conser-<br>vancy Branch.                          |
| S. P. Fernando    | ... | Typist                  | ...                                                                       | Transfer ...  | March 28, | For the post held by W. La<br>Brooy.                                                                                          |
| D. J. E. Caldera  | }   | Sanitary Inspectors...  | Dismissal ...                                                             | March 26,     |           |                                                                                                                               |
| A. W. Anderson    |     | Sanitary Inspector ...  | Resignation.                                                              | April 1,      |           |                                                                                                                               |
| J. M. Hall        |     | Overseer, L. W. Gang.   | Promotion.                                                                | May 1,        |           | To Conservancy Branch, as<br>Supervisor.                                                                                      |
| P. O'Connel       |     |                         |                                                                           |               |           |                                                                                                                               |
| P. A. Varney      | ... | Overseer, L. W. Gang.   | Promotion.                                                                | May 1,        |           | Overseer, Mosquito Gang,<br>promoted to the post left<br>vacant by the transfer of<br>P. O'Connel to Conser-<br>vancy Branch. |
| J. Dabera         | }   | Sanitary Inspectors ... | Promotion.                                                                | May 1,        |           | From Conservancy Branch as<br>Supervisors to fill up the<br>of Caldera, Anderson and<br>Hall.                                 |
| F. E. Abeyasekare |     |                         |                                                                           |               |           |                                                                                                                               |
| H. W. Davidson    |     |                         |                                                                           |               |           |                                                                                                                               |
| Caroline Caldera  | ... | Midwife                 | ...                                                                       | Dismissal ... | May 18,   |                                                                                                                               |
| S. C. Forbes      | ... | Asst : Reg : Clerk      | ...                                                                       | Appointment   | May 25,   | New Hand.                                                                                                                     |
| M. E. Akbar       | }   | Enteric Inspectors ...  | Appointment                                                               | June 1,       |           |                                                                                                                               |
| C. B. Brohier     |     |                         |                                                                           |               |           |                                                                                                                               |
| W. E. Sittampalam |     |                         |                                                                           |               |           |                                                                                                                               |
| S. L. Touesaint   |     |                         |                                                                           |               |           |                                                                                                                               |
| M. H. C. Cooray   | ... | Statistical Clerk       | ...                                                                       | Promotion.    | June 1,   | From the Conservancy Branch                                                                                                   |
| A. P. Maas        | ... | Overseer, Mos : Gang.   | Appointment                                                               | July 1,       |           | To the post left vacant by the<br>promotion of P. A. Varney<br>to the post of L. W. Gang.                                     |
| P. A. Varney      | ... | Overseer, L. W. Gang.   | Transfer ...                                                              | October 9,    |           | To Conservancy Branch as<br>Supervisor.                                                                                       |
| A. P. Maas        | ... | Overseer, L. W. Gang.   | Promotion.                                                                | Nov. 11,      |           | From Mosquito Gang.                                                                                                           |
| T. S. Koelmeyer   | ... | Overseer, Mos : Gang.   | Appointment                                                               | Nov. 11,      |           | To the post rendered vacant<br>by the promotion of A. P.<br>Maas,                                                             |
| Amy de Silva      | ... | Midwife                 | ...                                                                       | Appointment   | Nov. 26,  | To the post left vacant by the<br>disssimial of Caroline<br>Caldera.                                                          |

TABLE LII. (b)

Staff changes ( Conservancy Branch ) in 1907.

Mr. B. H. Jansz, Clerk, died on February 1, 1907, and Mr. C. W. Anthonisz, was appointed on April 1, 1907, in his place.

Mr. S. P. Fernando, Clerk, was transferred from this Branch to the Sanitary Branch on March 28, 1907, in place of Mr. W. E. La'Brooy, who was attached to this Department.

Mr. M. H. C. Cooray, Clerk, was promoted to the Sanitary Branch on June 1, 1907, as Statistical Clerk, and Mr. R. C. Mackeller, was appointed in his place.

Supervisors J. Dabera, F. E. Abeyesekera, and H. W. Davidson, were promoted Inspectors on May 1, 1907, and their places were filled up by Messrs. C. E. Seibel, P. O'Connel, and A. D. J. Wijeyeratne.

Supervisor D. W. B. Mylvaganam, was dismissed on June 13, 1907, and Mr. P. A. Varney, appointed in his place on October 10, 1907.









